

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110420\
 Data File : VW017078.D
 Acq On : 04 Nov 2020 15:41
 Operator : SY/VA
 Sample : VSTD10002
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

Quant Time: Nov 04 16:12:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 15:48:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	533125	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	485718	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	253770	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	711520	107.82	ug/L	0.00
7) Chloroethane-d5	2.89	69	546871	107.75	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1247570	100.65	ug/L	0.00
20) 2-Butanone-d5	7.07	46	350906	273.09	ug/L	0.00
24) Chloroform-d	7.65	84	1315851	102.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	659329	107.31	ug/L	0.00
29) Benzene-d6	8.27	84	2641006	101.20	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	741462	104.78	ug/L	0.00
37) Toluene-d8	10.32	98	2515964	102.68	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	370691	121.93	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	300261	286.81	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	669582	120.42	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	911940	97.63	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	503812	84.910	ug/L 95
3) Chloromethane	2.21	50	463748	89.383	ug/L 99
5) Vinyl chloride	2.37	62	657940	86.520	ug/L 98
6) Bromomethane	2.77	94	461697	89.122	ug/L 98
8) Chloroethane	2.92	64	404918	91.902	ug/L 99
9) Trichlorofluoromethane	3.26	101	570338	94.002	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	663969	91.131	ug/L 98
12) 1,1-Dichloroethene	4.04	96	642063	92.327	ug/L 97
13) Acetone	4.12	43	207353	244.220	ug/L 96
14) Carbon disulfide	4.39	76	1711301	82.923	ug/L 99
15) Methyl Acetate	4.67	43	263403	120.216	ug/L 97
16) Methylene chloride	4.92	84	621568	87.257	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	810697	103.495	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	670243	92.505	ug/L 98
19) 1,1-Dichloroethane	6.21	63	1070099	95.449	ug/L 99
21) 2-Butanone	7.17	43	343647	245.138	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	723223	97.552	ug/L 99
23) Bromochloromethane	7.51	128	352645	101.532	ug/L 94
25) Chloroform	7.68	83	1153596	96.051	ug/L 100
27) 1,2-Dichloroethane	8.40	62	700711	100.729	ug/L 99
30) Cyclohexane	7.96	56	926958	92.661	ug/L 100
31) 1,1,1-Trichloroethane	7.87	97	985743	93.919	ug/L 99
32) Carbon tetrachloride	8.07	117	967618	95.769	ug/L 98
34) Benzene	8.32	78	2467960	91.827	ug/L 100
35) Trichloroethene	9.09	95	695622	93.825	ug/L 99
36) Methylcyclohexane	9.34	83	1155813	93.767	ug/L 99
40) 1,2-Dichloropropane	9.37	63	588930	97.140	ug/L 99
41) Bromodichloromethane	9.65	83	858182	103.691	ug/L 99
42) cis-1,3-Dichloropropene	10.07	75	1023867	107.706	ug/L 99
43) 4-Methyl-2-pentanone	10.21	43	758014	249.010	ug/L 99

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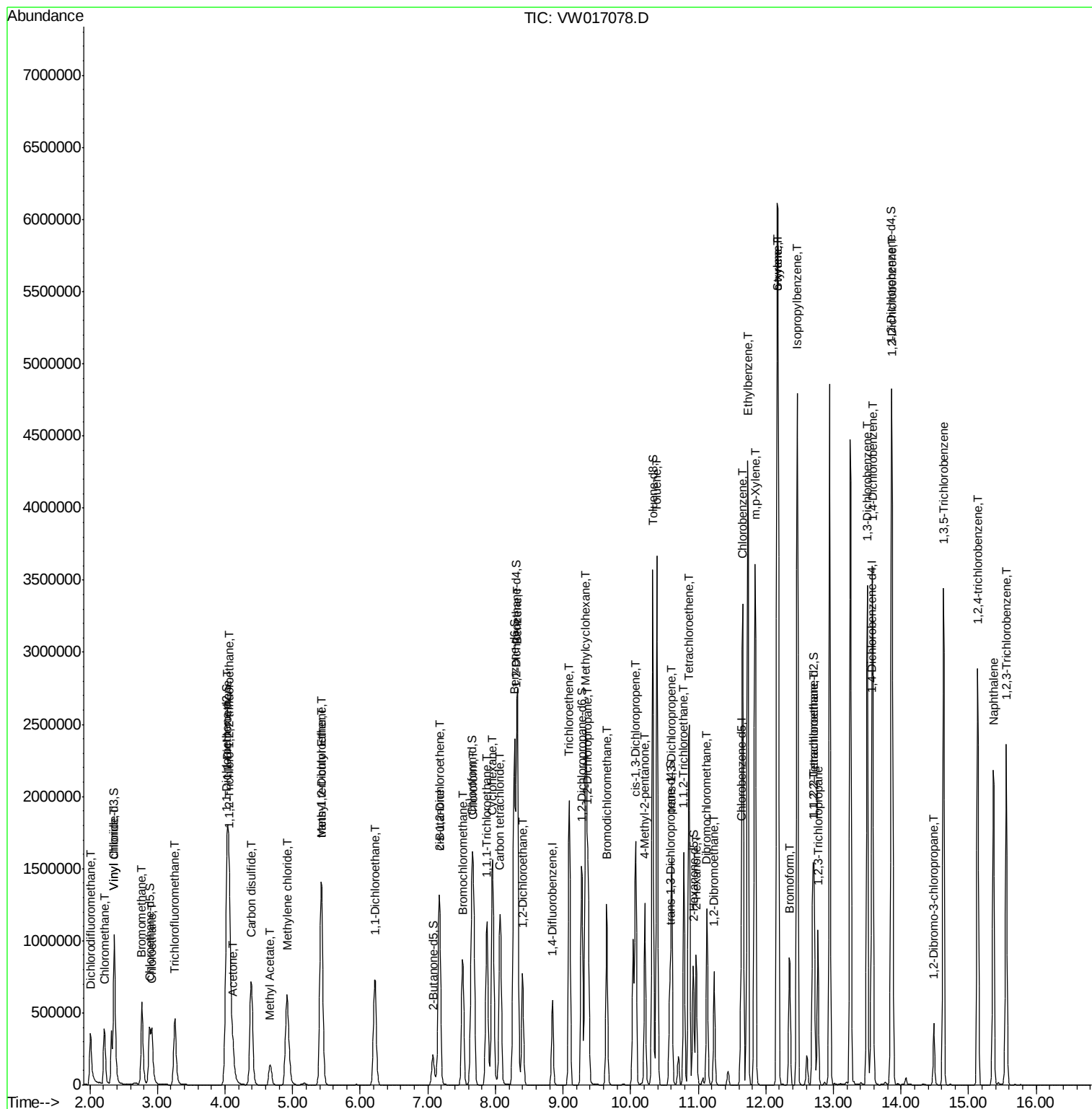
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2783278	95.533	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	909082	114.084	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	522878	105.738	ug/L	98
47) Tetrachloroethene	10.87	164	619242	91.171	ug/L	97
49) 2-Hexanone	10.97	43	513038	264.752	ug/L	98
50) Dibromochloromethane	11.13	129	681305	113.301	ug/L	97
51) 1,2-Dibromoethane	11.24	107	525347	110.378	ug/L	99
52) Chlorobenzene	11.66	112	1887463	96.489	ug/L	100
53) Ethylbenzene	11.73	91	3128825	95.921	ug/L	99
54) m,p-Xylene	11.84	106	1252574	97.691	ug/L	97
55) o-xylene	12.16	106	1202623	99.988	ug/L	96
56) Styrene	12.18	104	2037437	101.414	ug/L	97
57) Isopropylbenzene	12.46	105	3228662	98.002	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	620441	114.074	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	442649	113.628	ug/L	99
62) Bromoform	12.35	173	433882	116.671	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	1538832	93.315	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	1511688	91.740	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	1356301	92.060	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	103198	122.460	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	1143807	94.522	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	987242	104.447	ug/L	99
69) Naphthalene	15.37	128	1988334	124.133	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	867409	103.833	ug/L	98

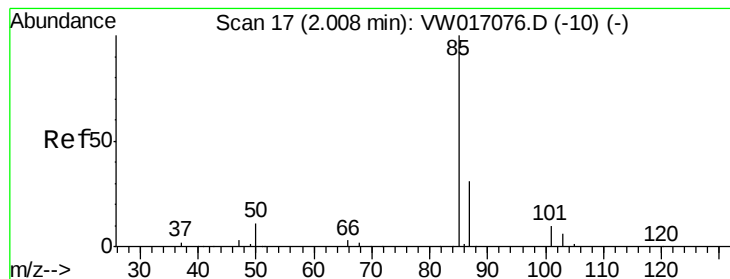
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#2

Dichlorodifluoromethane

Concen: 84.910 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

Instrument :

MSVOA_W

ClientSampleId :

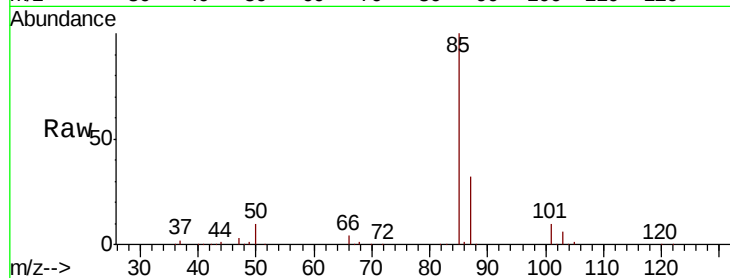
VSTD10002

Tot Ion: 85 Resp: 503812

Ion Ratio Lower Upper

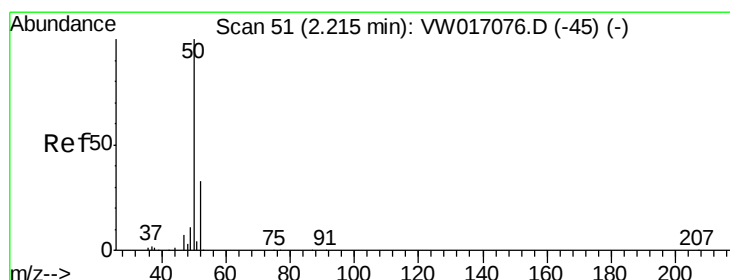
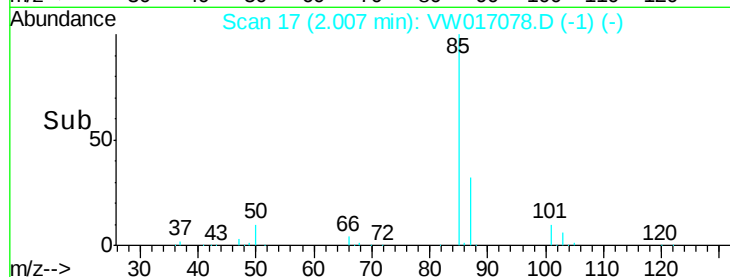
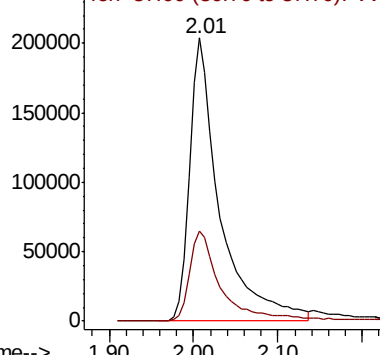
85 100

87 33.4 21.5 39.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 89.383 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017078.D

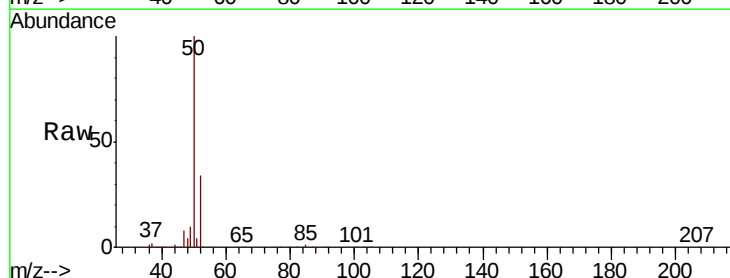
Acq: 04 Nov 2020 15:41

Tgt Ion: 50 Resp: 463748

Ion Ratio Lower Upper

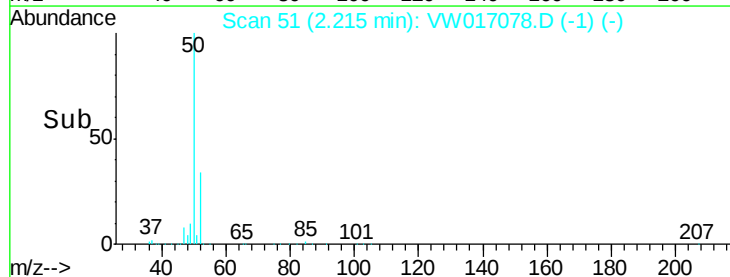
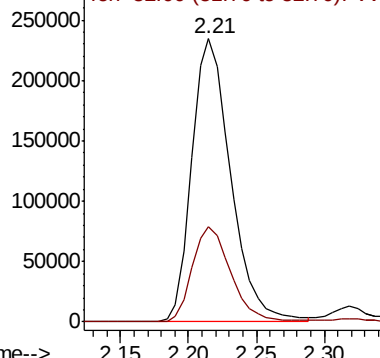
50 100

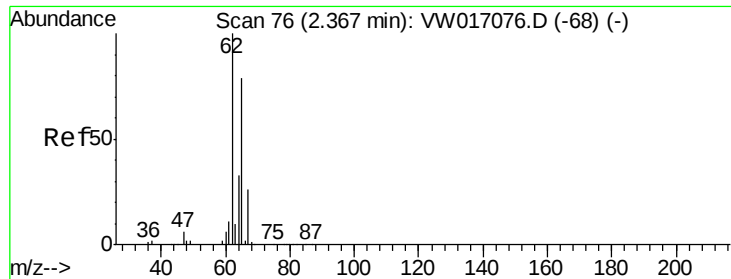
52 33.6 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 86.520 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

Instrument :

MSVOA_W

ClientSampleId :

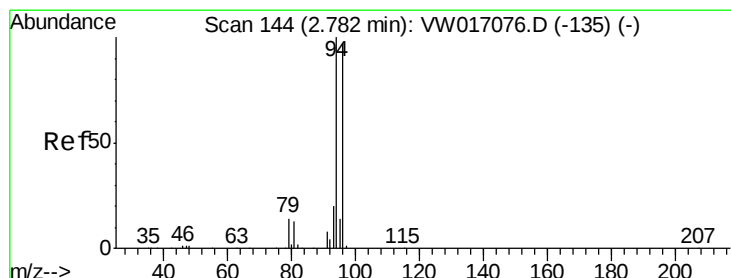
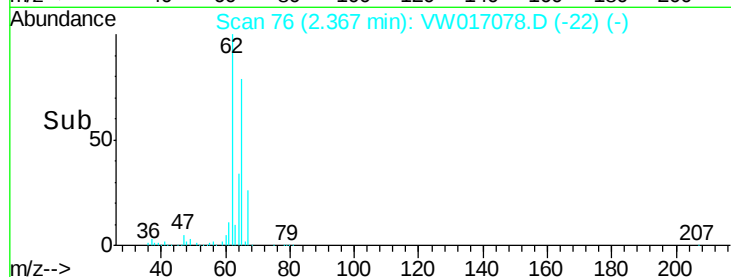
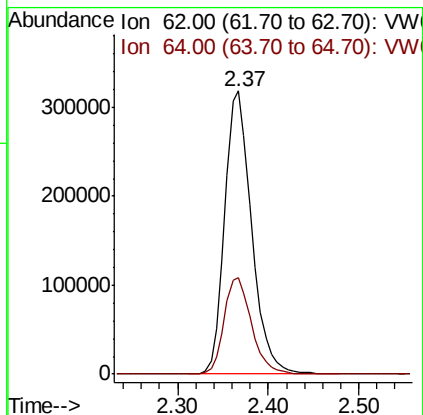
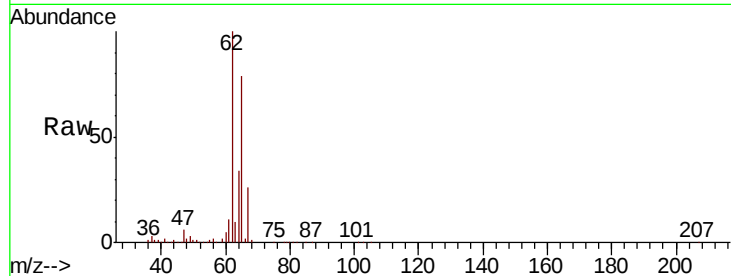
VSTD10002

Tot Ion: 62 Resp: 657940

Ion Ratio Lower Upper

62 100

64 34.3 23.3 43.3



#6

Bromomethane

Concen: 89.122 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW017078.D

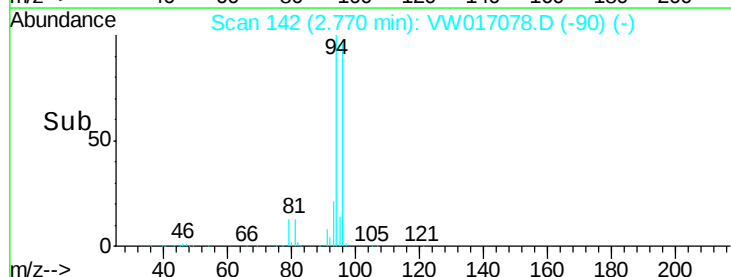
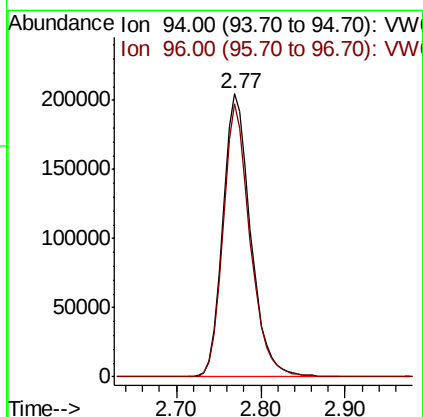
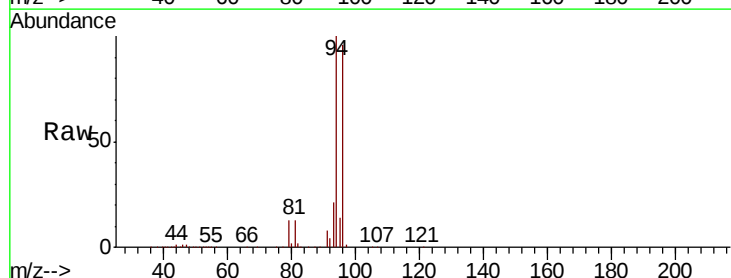
Acq: 04 Nov 2020 15:41

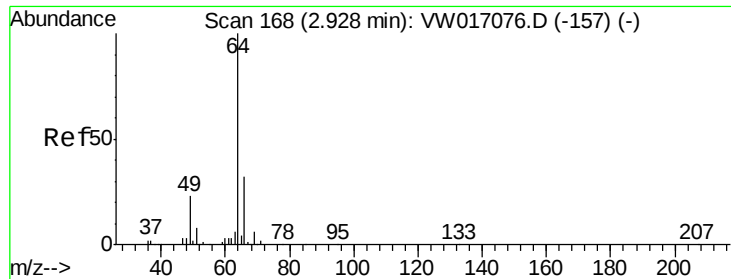
Tgt Ion: 94 Resp: 461697

Ion Ratio Lower Upper

94 100

96 93.7 9.6 181.8





#8

Chloroethane

Concen: 91.902 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

Instrument :

MSVOA_W

ClientSampleId :

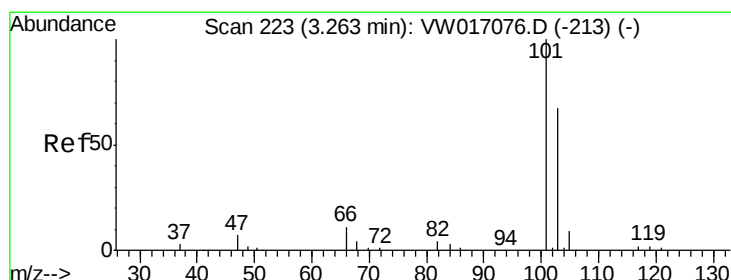
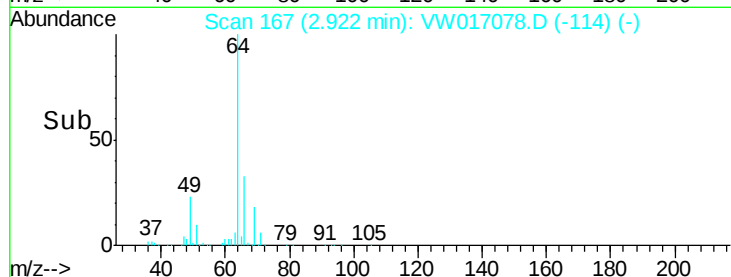
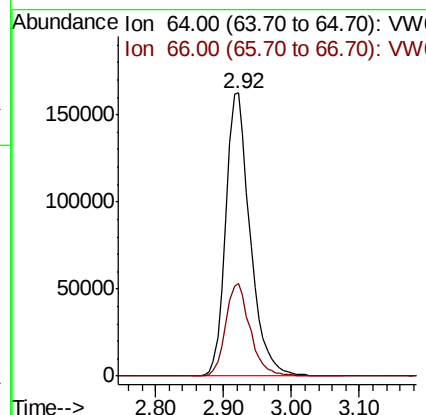
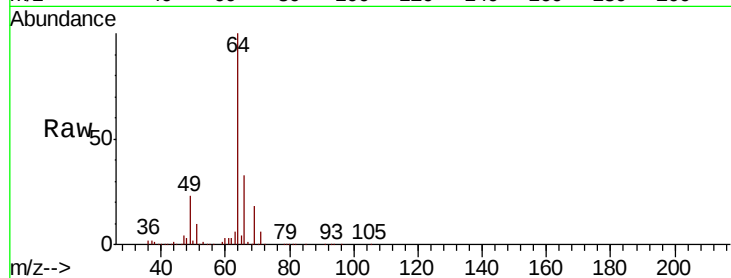
VSTD10002

Tot Ion: 64 Resp: 404918

Ion Ratio Lower Upper

64 100

66 32.7 22.3 41.5



#9

Trichlorofluoromethane

Concen: 94.002 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW017078.D

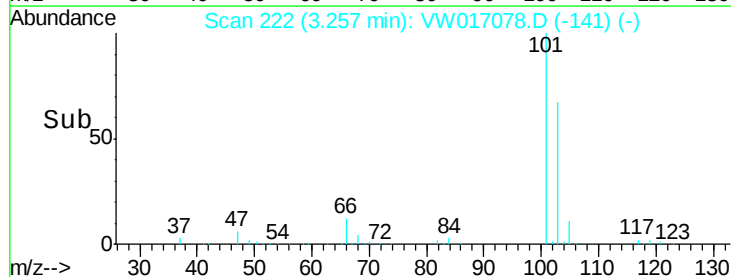
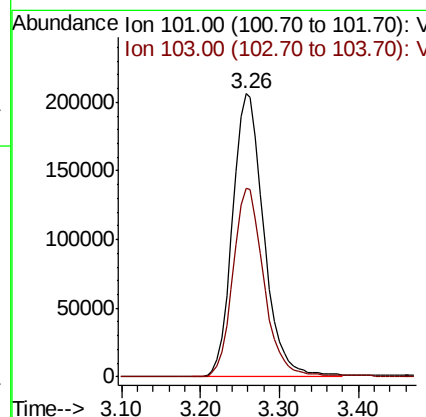
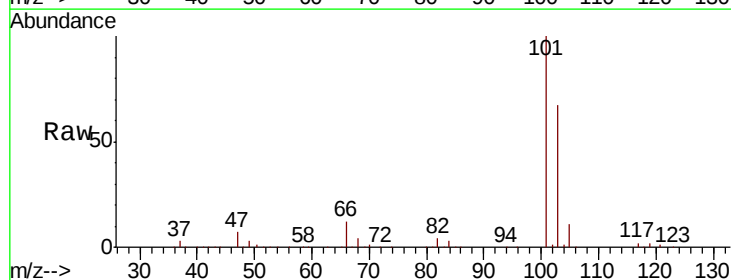
Acq: 04 Nov 2020 15:41

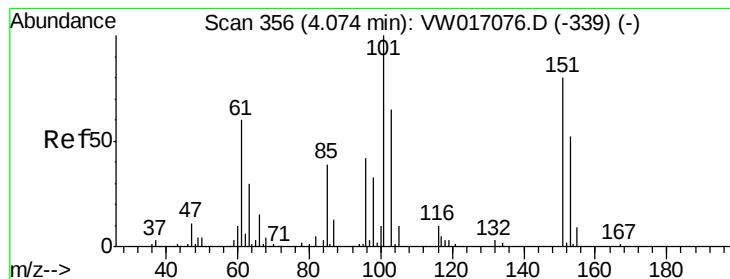
Tgt Ion: 101 Resp: 570338

Ion Ratio Lower Upper

101 100

103 66.1 45.4 84.2





#11

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

Concen: 91.131 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

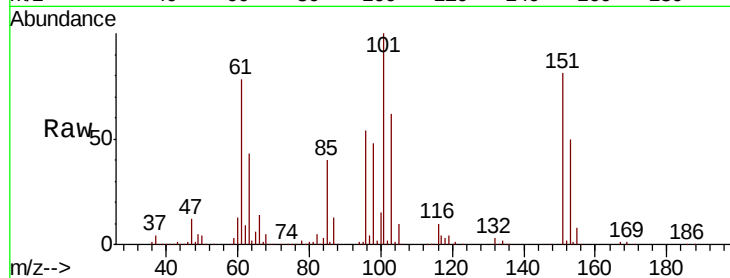
Tot Ion:101 Resp: 663969

Ion Ratio Lower Upper

101 100

85 40.8 32.8 49.2

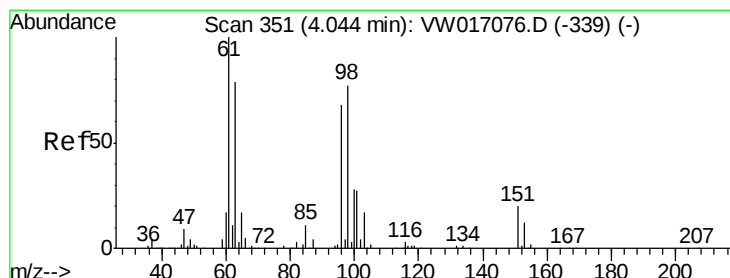
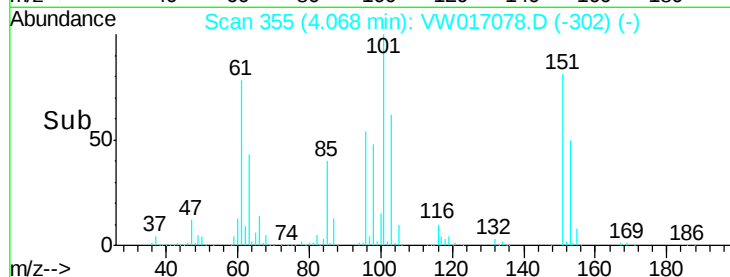
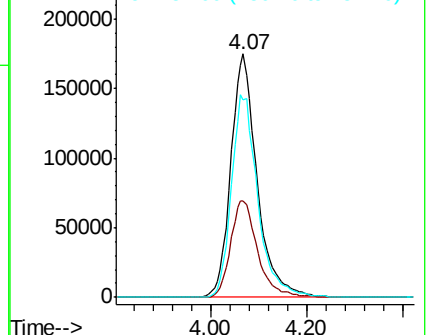
151 83.7 65.4 98.2



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: 92.327 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

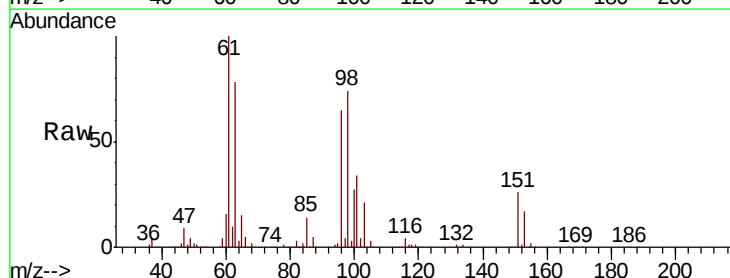
Tgt Ion: 96 Resp: 642063

Ion Ratio Lower Upper

96 100

61 153.4 103.8 192.8

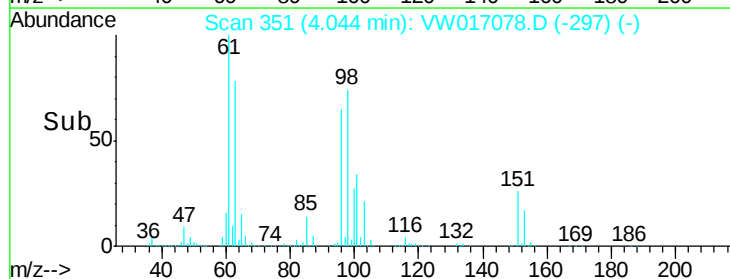
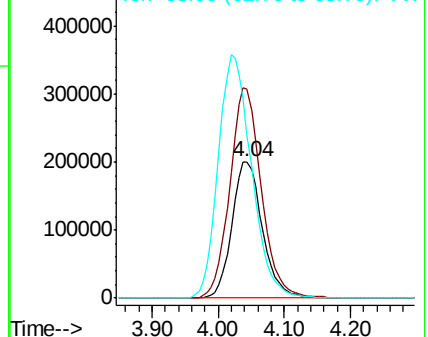
63 119.1 84.4 156.7

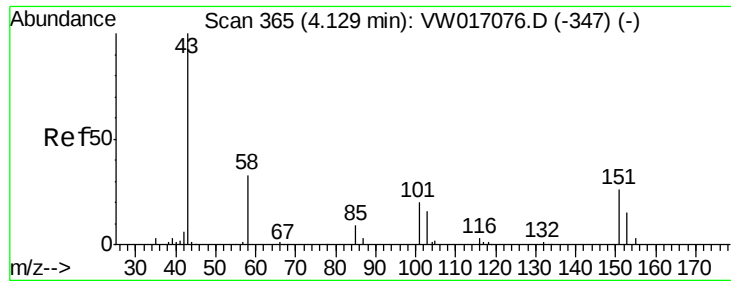


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 244.220 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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Acq: 04 Nov 2020 15:41

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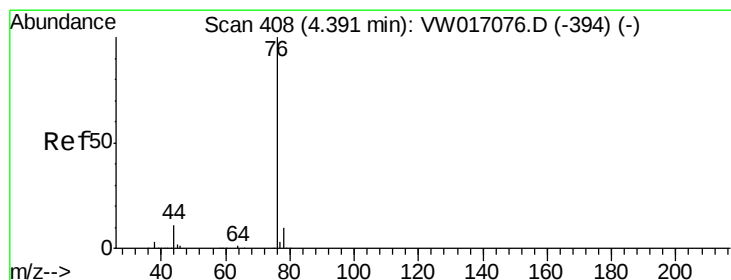
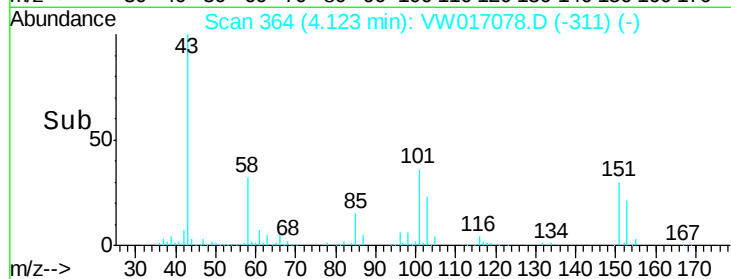
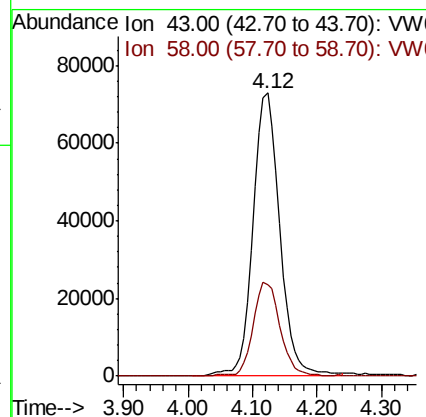
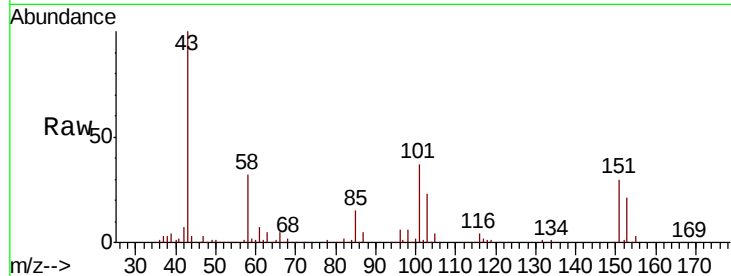
VSTD10002

Tot Ion: 43 Resp: 207353

Ion Ratio Lower Upper

43 100

58 32.2 0.0 69.2



#14

Carbon disulfide

Concen: 82.923 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017078.D

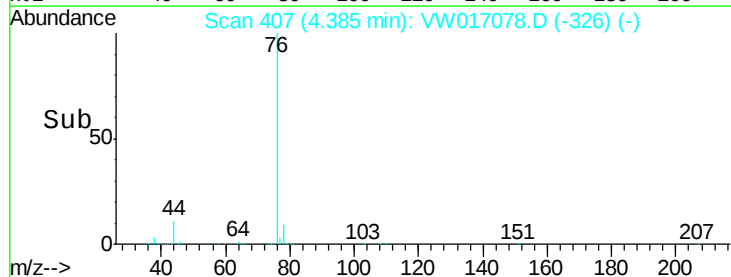
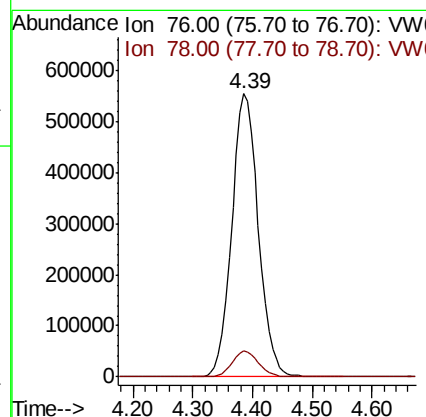
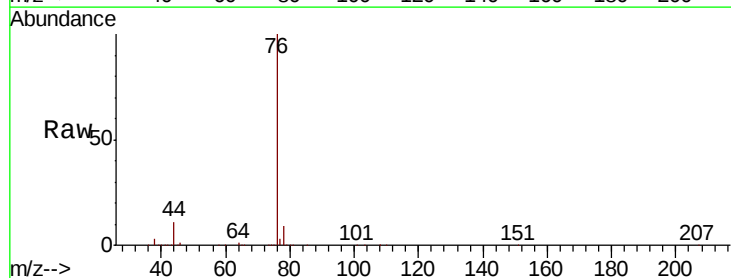
Acq: 04 Nov 2020 15:41

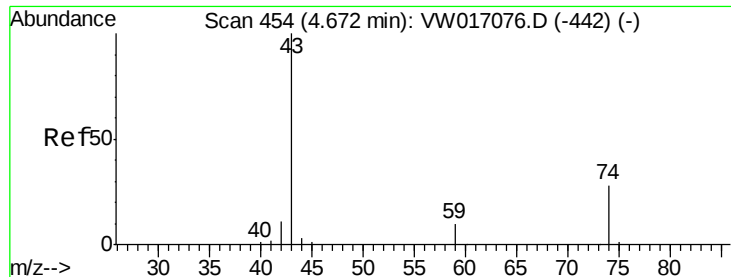
Tgt Ion: 76 Resp: 1711301

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

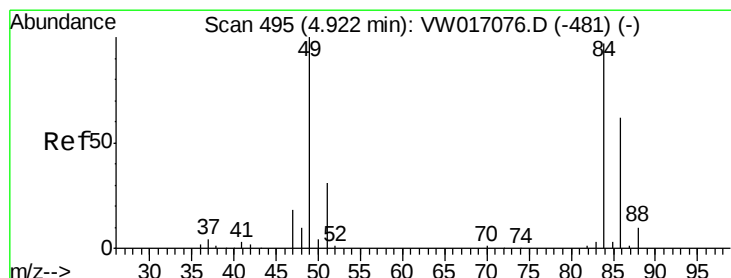
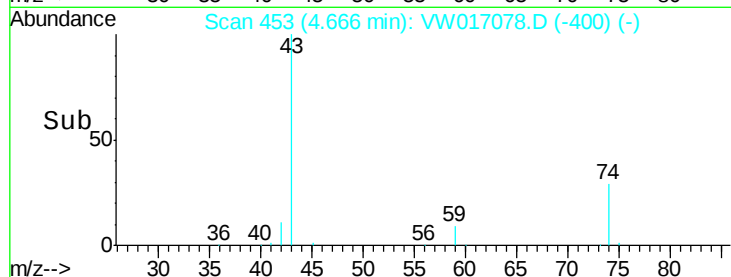
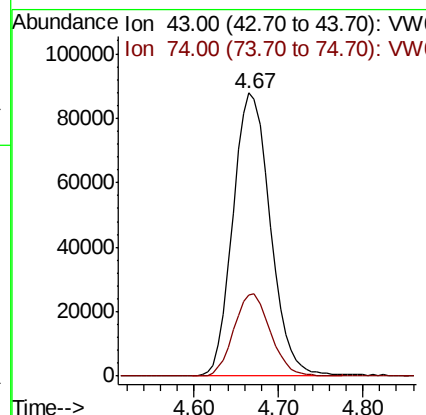
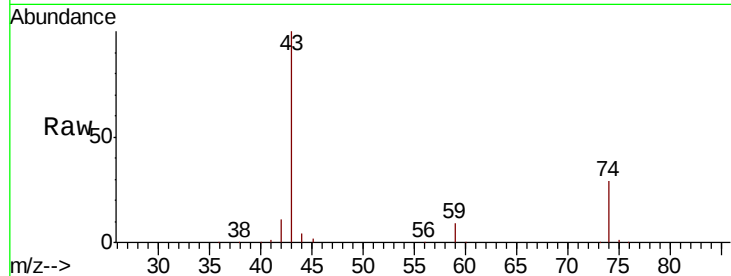




#15
Methvl Acetate
Concen: 120.216 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW017078.D
Acq: 04 Nov 2020 15:41

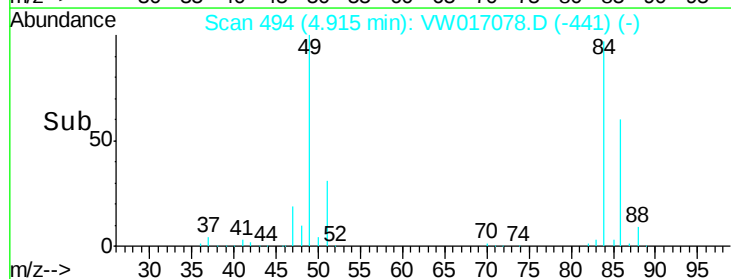
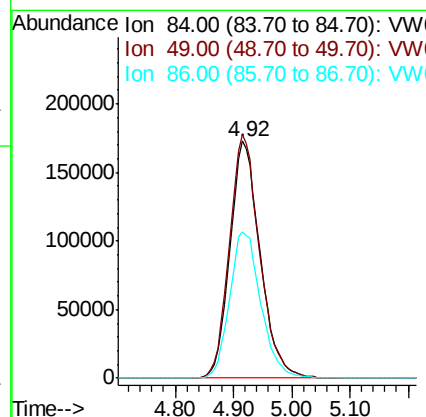
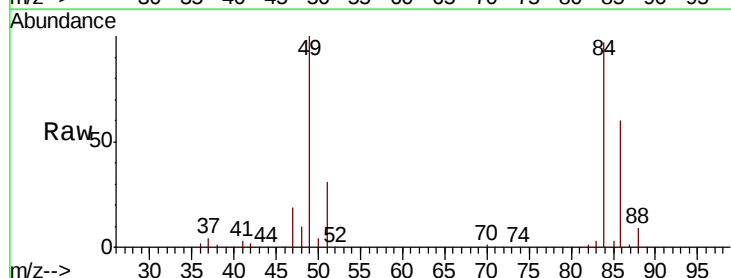
Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

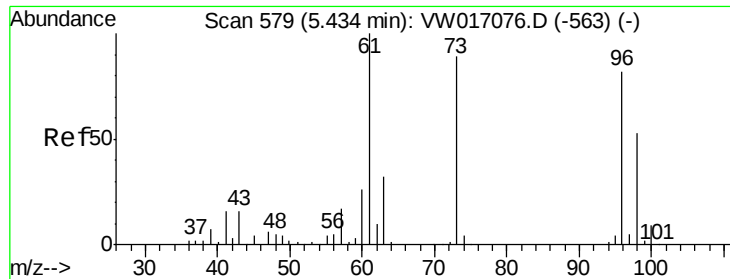
Tot Ion: 43 Resp: 263403
Ion Ratio Lower Upper
43 100
74 28.6 21.5 32.3



#16
Methylene chloride
Concen: 87.257 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017078.D
Acq: 04 Nov 2020 15:41

Tgt Ion: 84 Resp: 621568
Ion Ratio Lower Upper
84 100
49 102.8 72.3 134.3
86 61.9 45.1 83.7

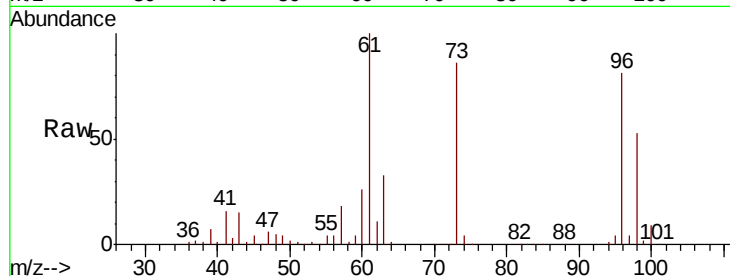




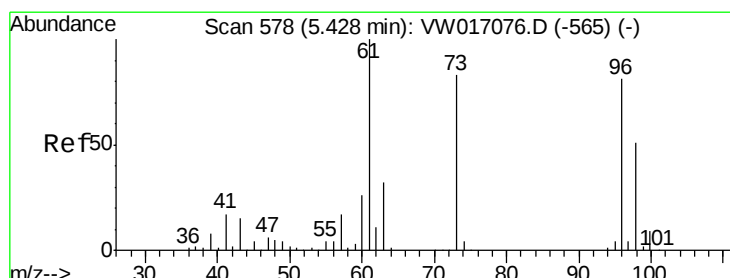
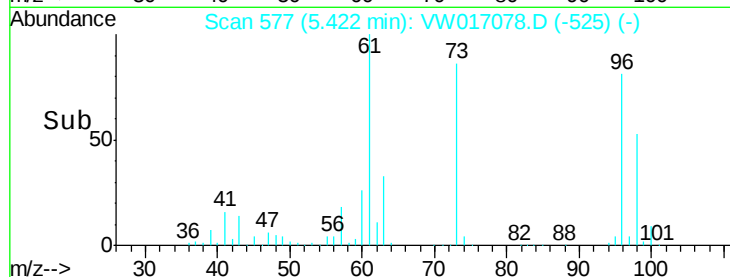
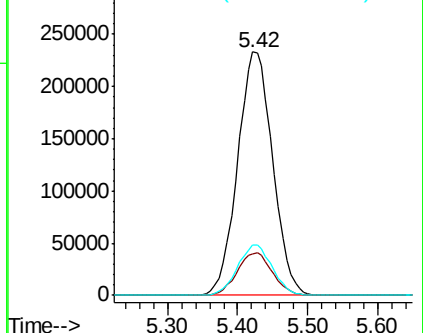
#17
Methvl tert-butvl Ether
Concen: 103.495 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017078.D
Acq: 04 Nov 2020 15:41

Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

Tot Ion: 73 Resp: 810697
Ion Ratio Lower Upper
73 100
43 17.5 14.5 21.7
57 20.5 16.3 24.5

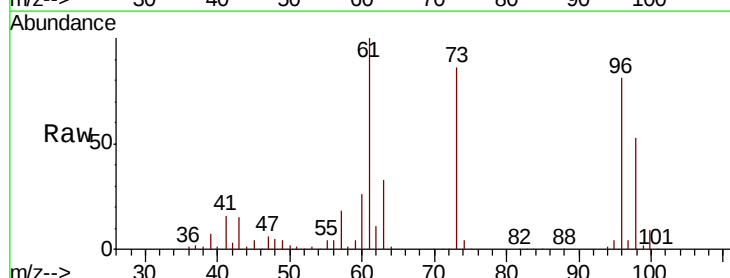


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

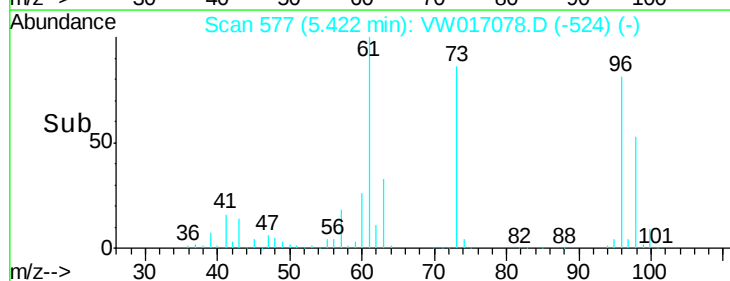
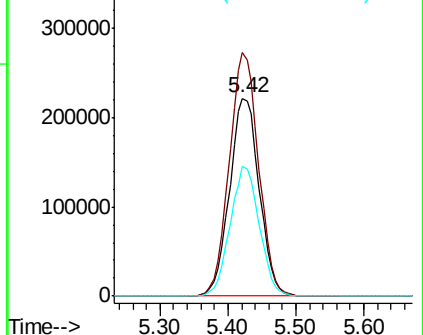


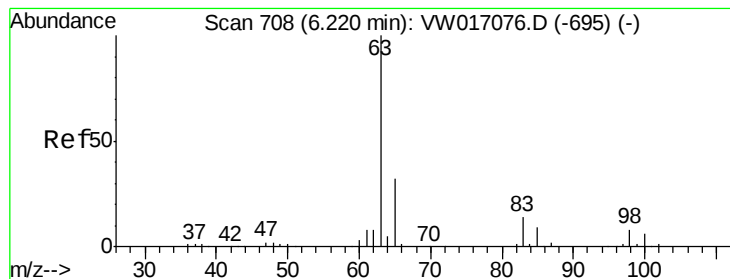
#18
trans-1,2-Dichloroethene
Concen: 92.505 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017078.D
Acq: 04 Nov 2020 15:41

Tgt Ion: 96 Resp: 670243
Ion Ratio Lower Upper
96 100
61 123.2 86.8 161.2
98 65.9 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: 95.449 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

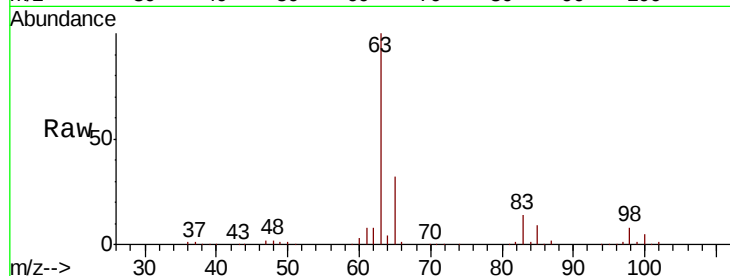
Tot Ion: 63 Resp: 1070099

Ion Ratio Lower Upper

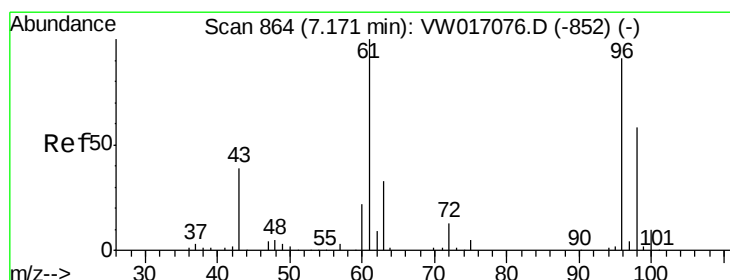
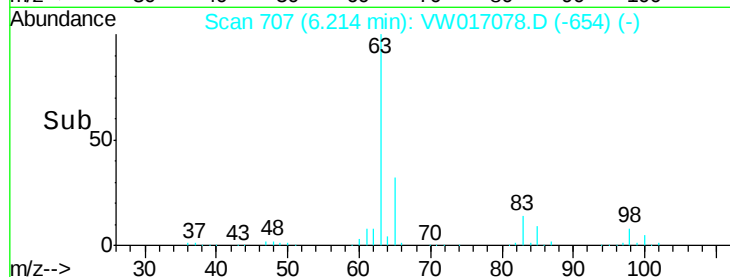
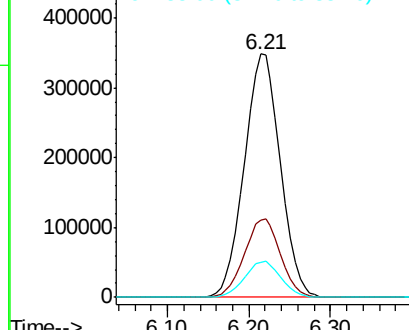
63 100

65 32.0 22.1 41.1

83 14.5 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: 245.138 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW017078.D

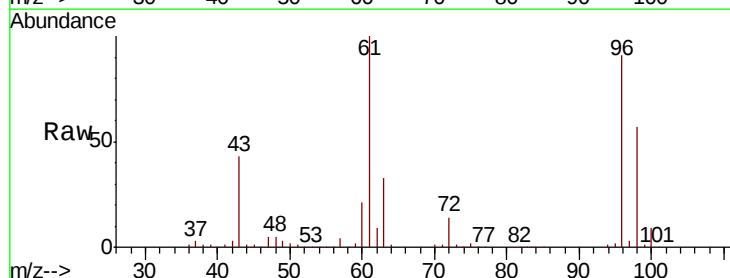
Acq: 04 Nov 2020 15:41

Tgt Ion: 43 Resp: 343647

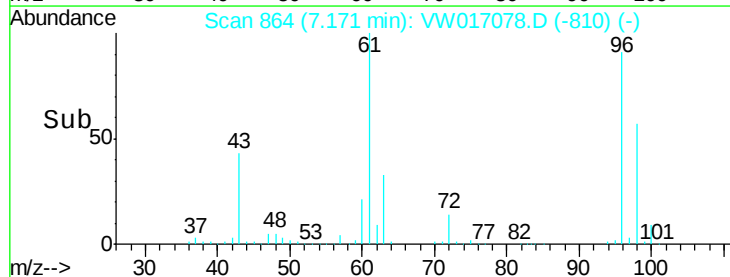
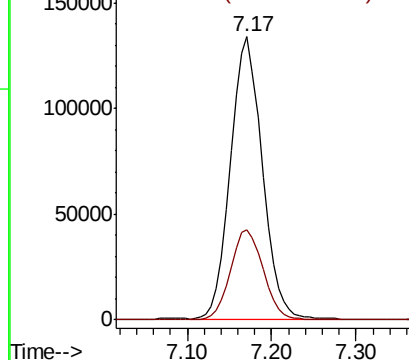
Ion Ratio Lower Upper

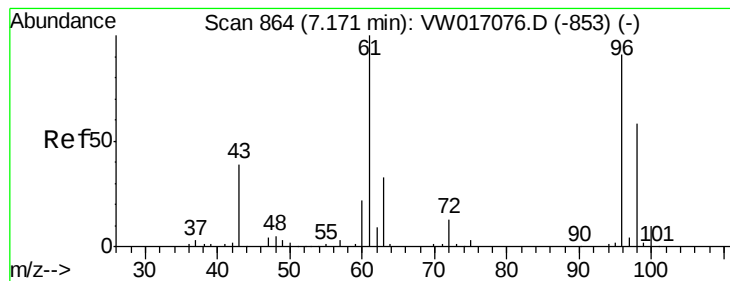
43 100

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



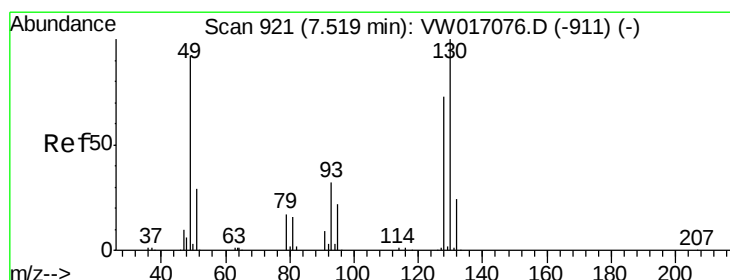
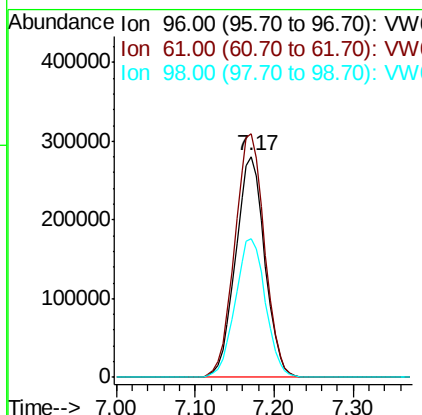
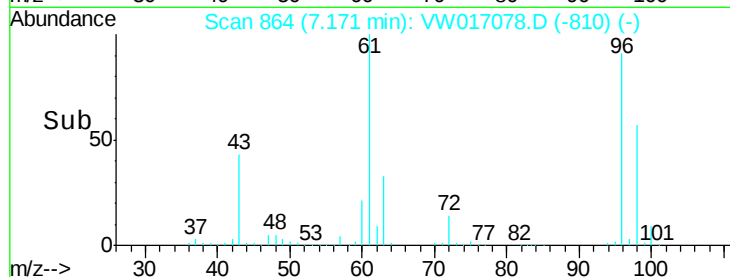
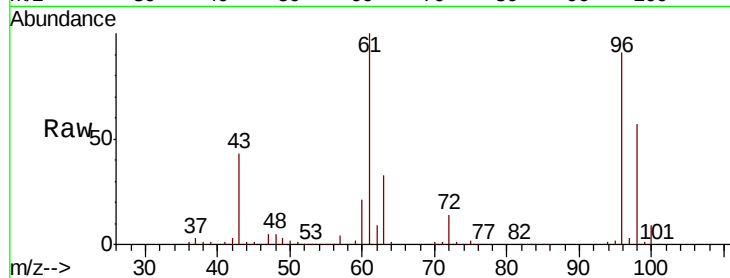


#22

cis-1,2-Dichloroethene
 Concen: 97.552 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017078.D
 Acq: 04 Nov 2020 15:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

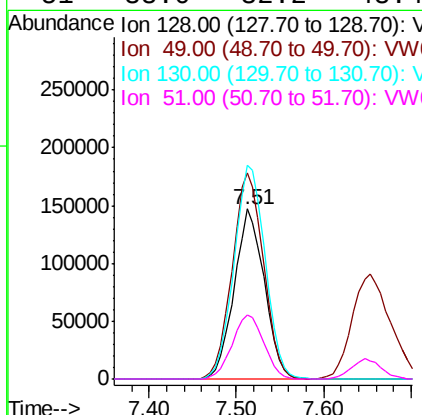
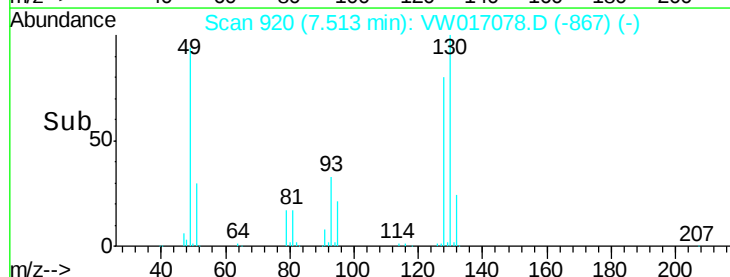
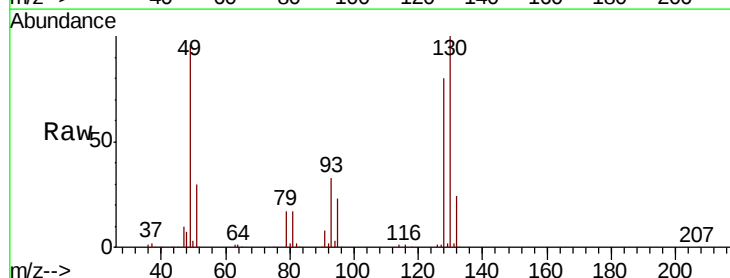
Tot Ion: 96 Resp: 723223
 Ion Ratio Lower Upper
 96 100
 61 110.3 77.4 143.8
 98 62.8 45.1 83.7

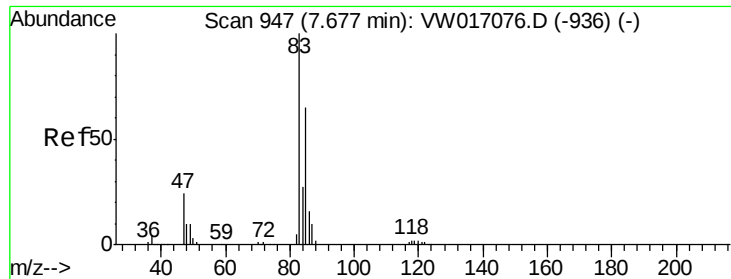


#23

Bromochloromethane
 Concen: 101.532 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW017078.D
 Acq: 04 Nov 2020 15:41

Tgt Ion: 128 Resp: 352645
 Ion Ratio Lower Upper
 128 100
 49 121.0 88.3 163.9
 130 125.7 95.6 177.6
 51 38.0 32.2 48.4





#25

Chloroform

Concen: 96.051 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

Instrument :

MSVOA_W

ClientSampleId :

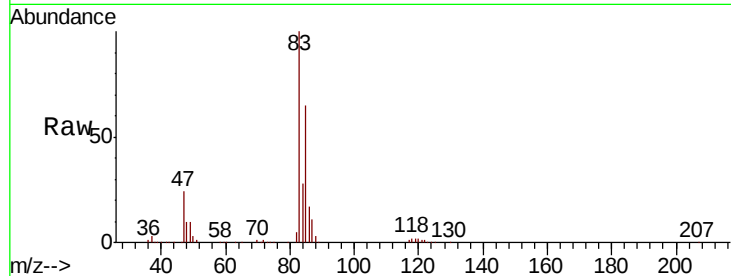
VSTD10002

Tot Ion: 83 Resp: 1153596

Ion Ratio Lower Upper

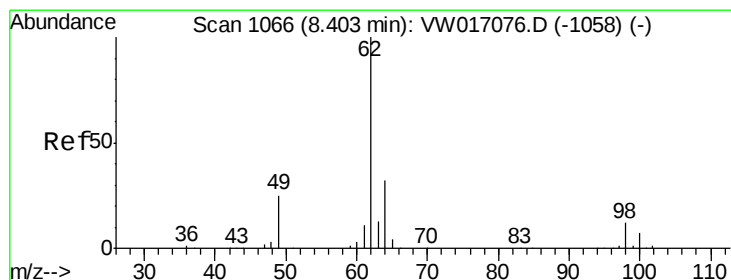
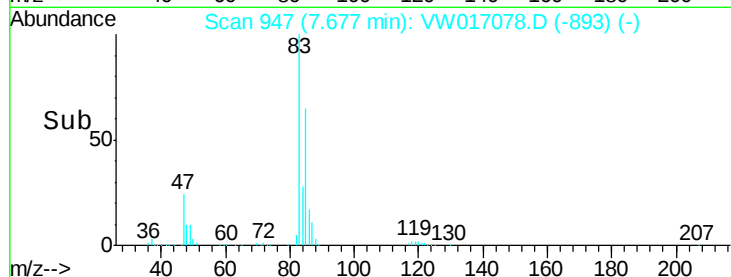
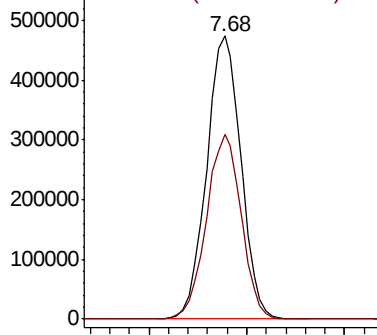
83 100

85 66.4 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: 100.729 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW017078.D

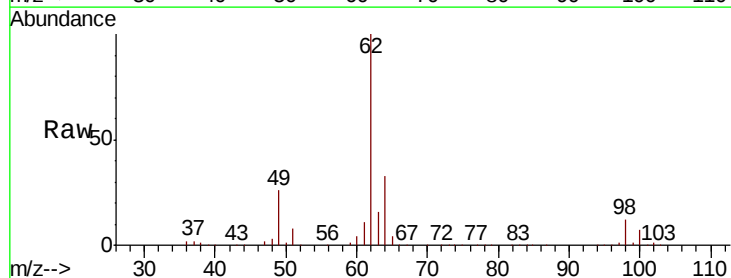
Acq: 04 Nov 2020 15:41

Tgt Ion: 62 Resp: 700711

Ion Ratio Lower Upper

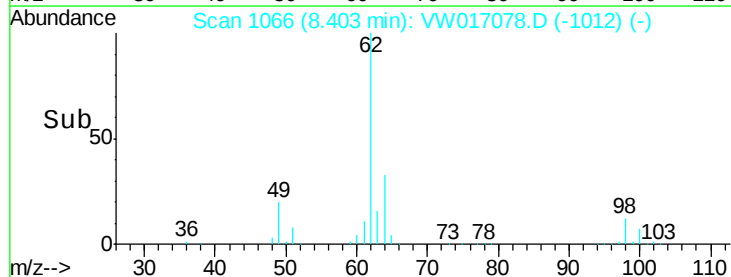
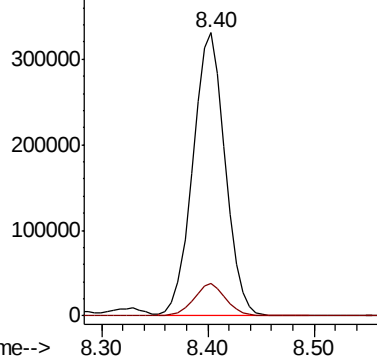
62 100

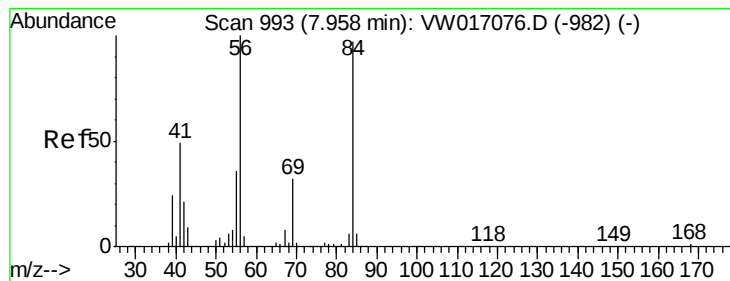
98 11.5 9.4 14.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

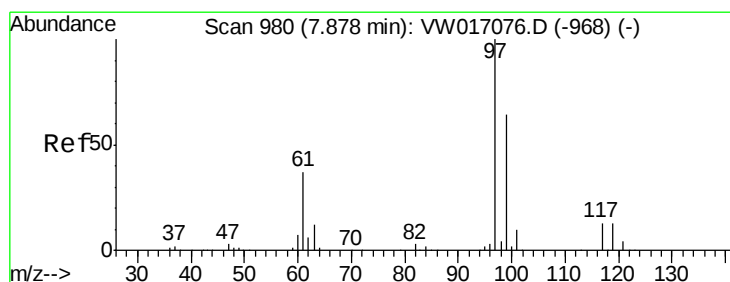
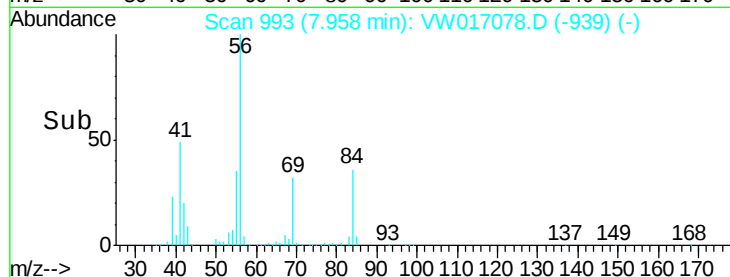
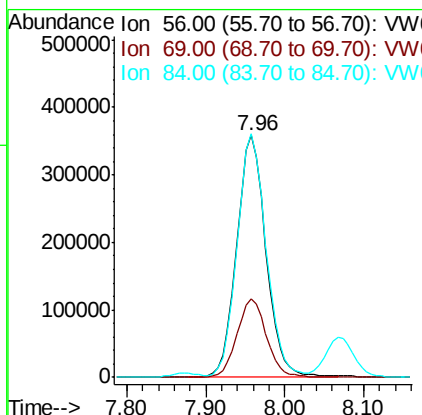
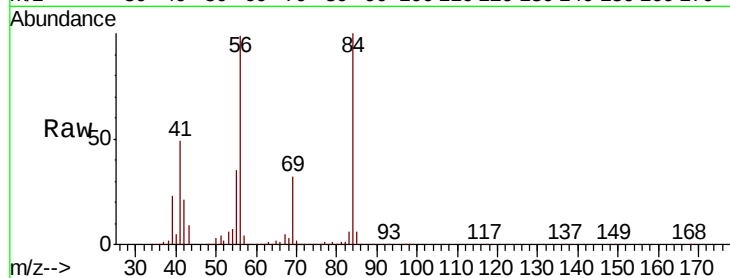




#30
Cvclohexane
Concen: 92.661 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW017078.D
Acq: 04 Nov 2020 15:41

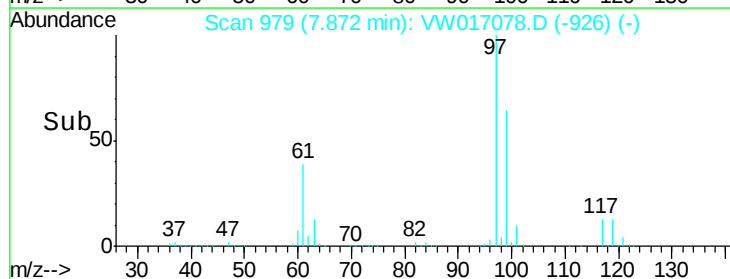
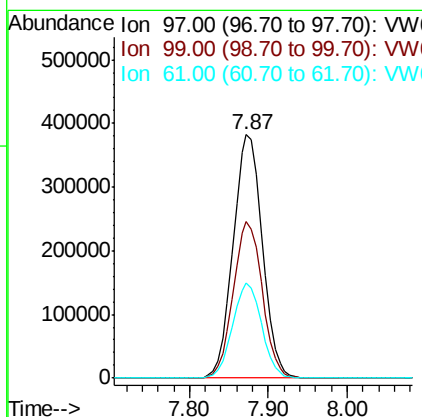
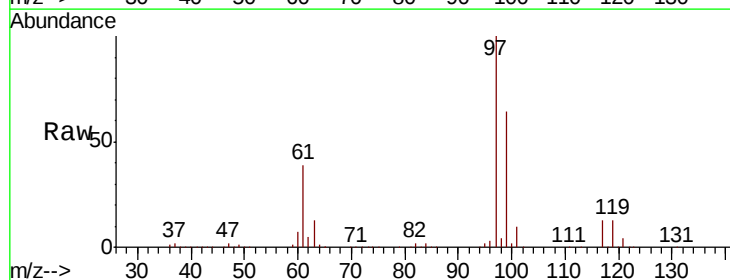
Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

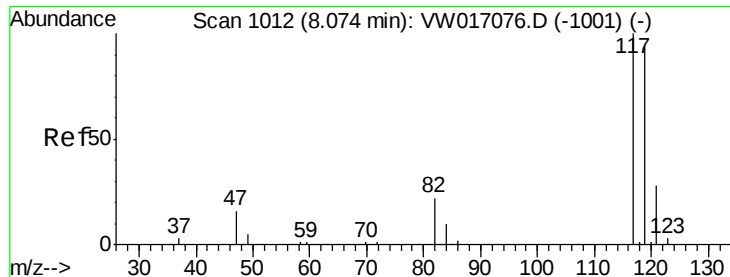
Tot Ion	56	Resp	926958
Ion Ratio	100		
Lower	26.1		
Upper	39.1		
56	100		
69	32.6		
84	99.3		
	79.1		
	118.7		



#31
1,1,1-Trichloroethane
Concen: 93.919 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW017078.D
Acq: 04 Nov 2020 15:41

Tgt Ion	97	Resp	985743
Ion Ratio	100		
Lower	51.4		
Upper	77.0		
97	100		
99	64.2		
61	38.7		
	31.6		
	47.4		





#32

Carbon tetrachloride

Concen: 95.769 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

Instrument :

MSVOA_W

ClientSampleId :

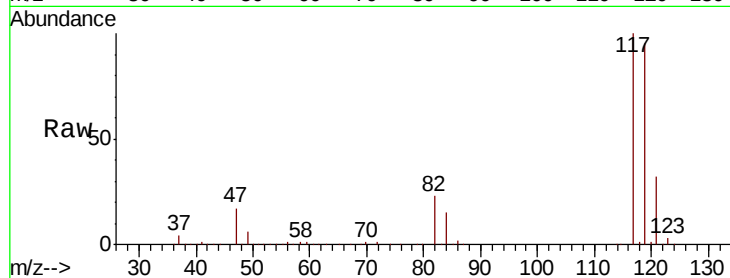
VSTD10002

Tot Ion:117 Resp: 967618

Ion Ratio Lower Upper

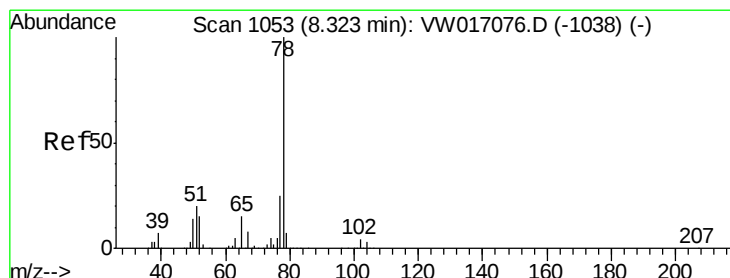
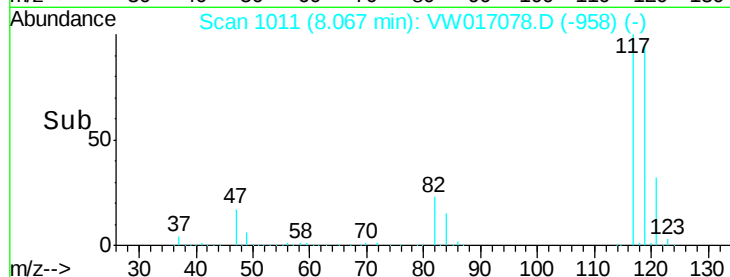
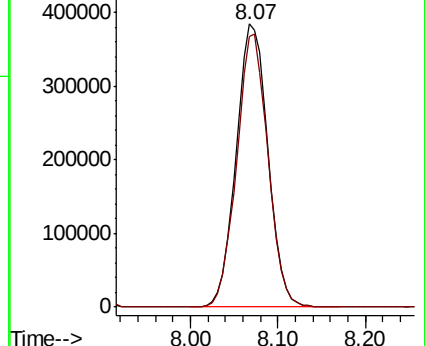
117 100

119 95.0 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: 91.827 ug/L

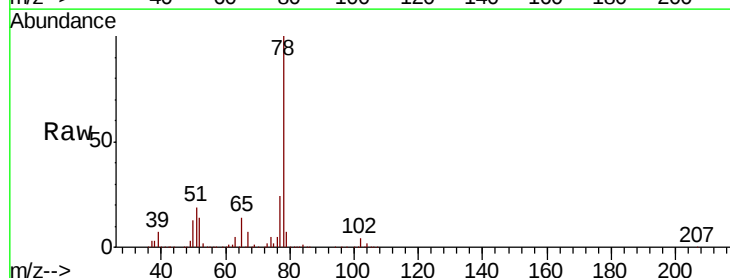
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

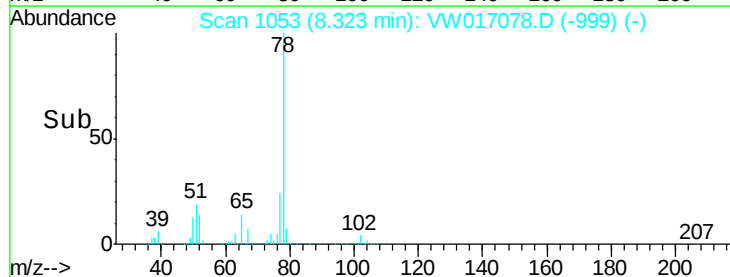
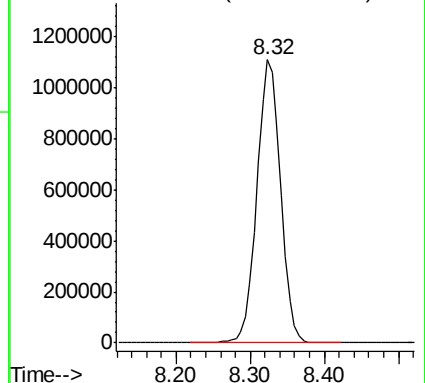
Lab File: VW017078.D

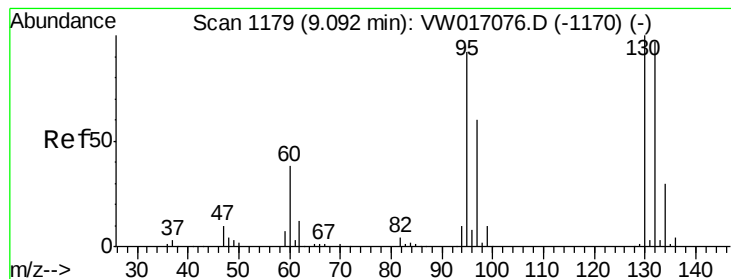
Acq: 04 Nov 2020 15:41

Tgt Ion: 78 Resp: 2467960



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 93.825 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

Tot Ion: 95 Resp: 695622

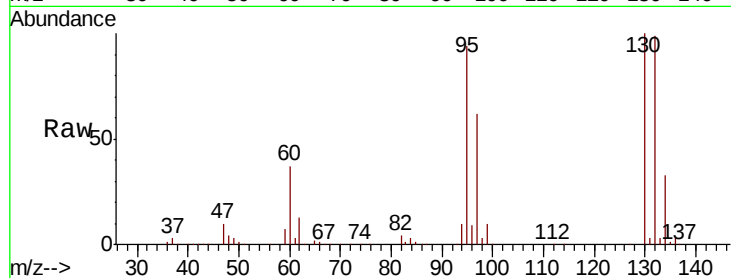
Ion Ratio Lower Upper

95 100

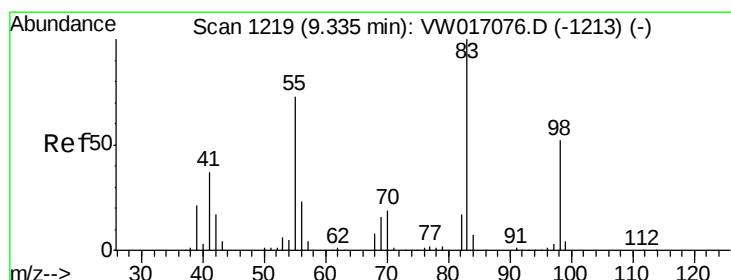
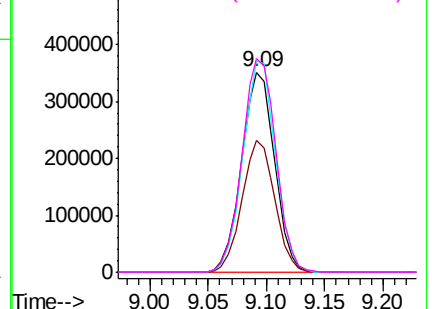
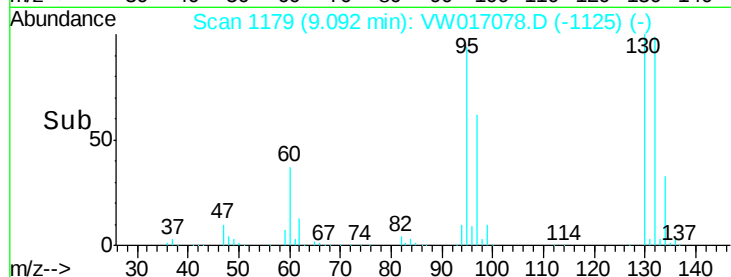
97 65.2 45.0 83.6

132 104.9 73.7 136.9

130 109.4 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: 93.767 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

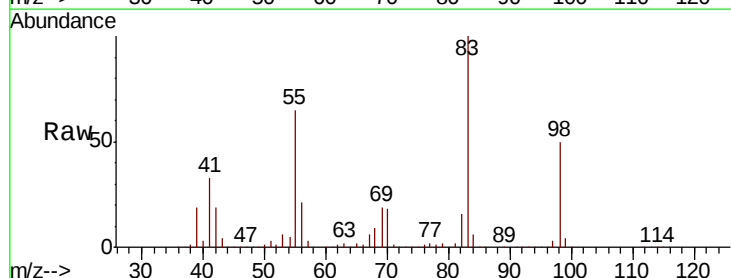
Tgt Ion: 83 Resp: 1155813

Ion Ratio Lower Upper

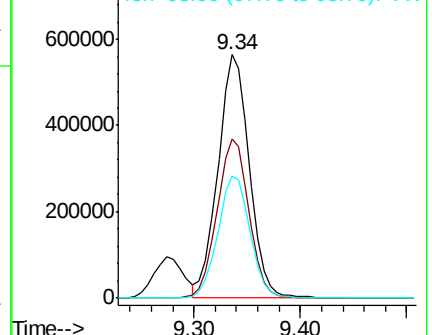
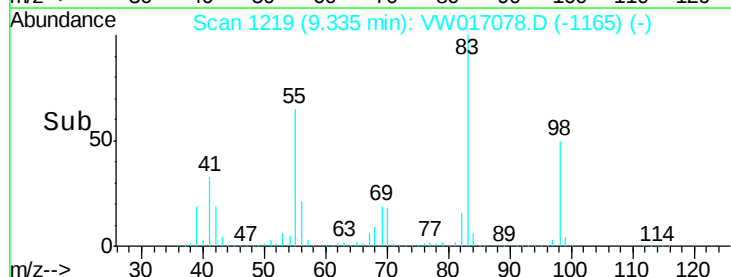
83 100

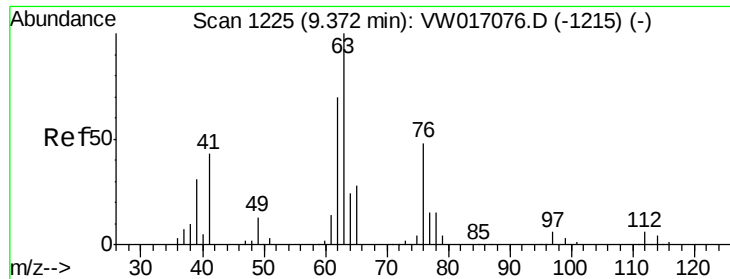
55 66.7 54.4 81.6

98 51.1 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

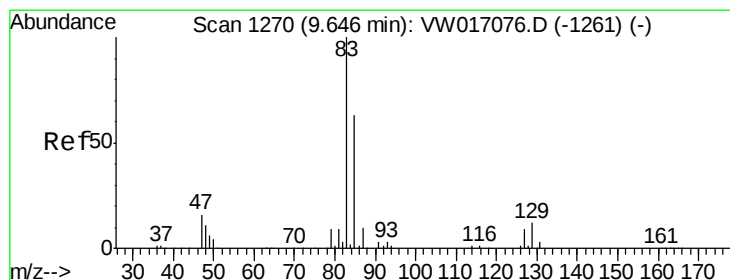
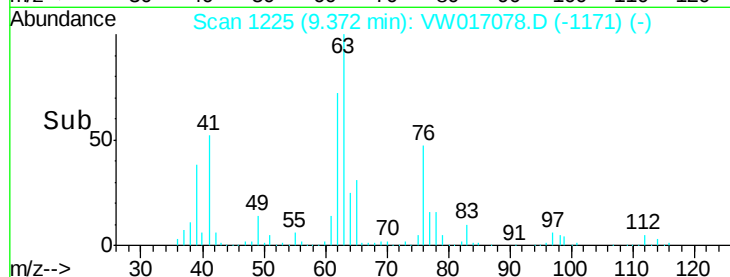
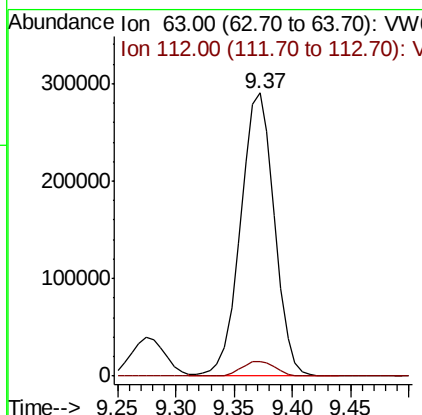
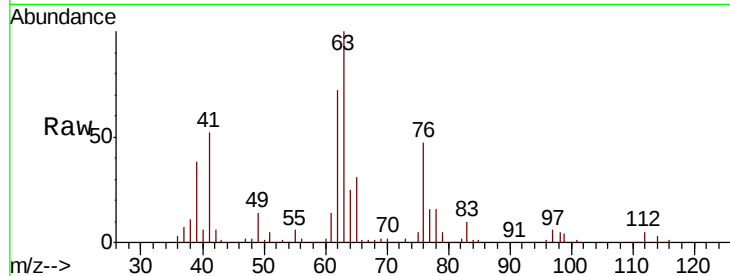




#40
 1,2-Dichloropropane
 Concen: 97.140 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017078.D
 Acq: 04 Nov 2020 15:41

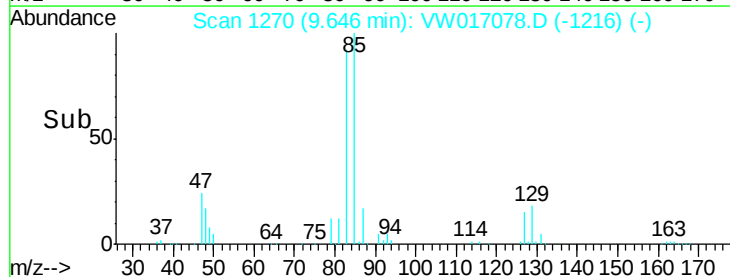
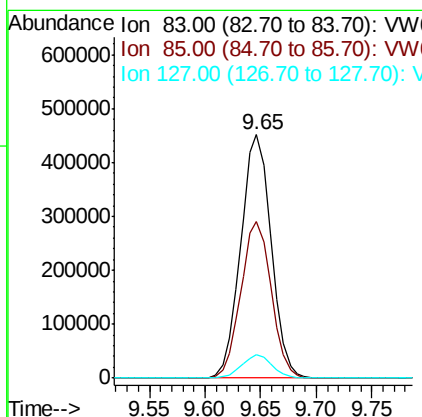
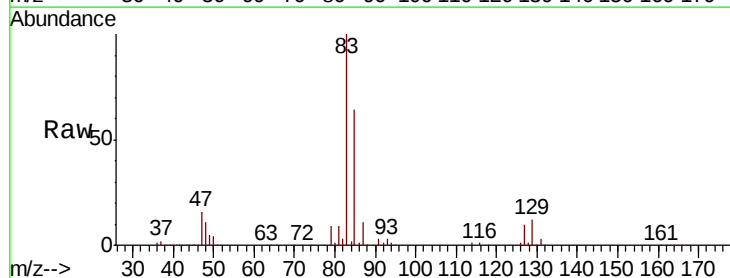
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

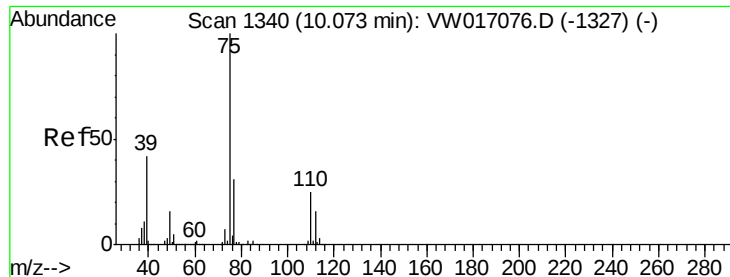
Tot Ion: 63 Resp: 588930
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.2 6.2



#41
 Bromodichloromethane
 Concen: 103.691 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017078.D
 Acq: 04 Nov 2020 15:41

Tgt Ion: 83 Resp: 858182
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.4 82.4
 127 9.5 7.3 10.9





#42

cis-1,3-Dichloropropene

Concen: 107.706 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

Instrument :

MSVOA_W

ClientSampleId :

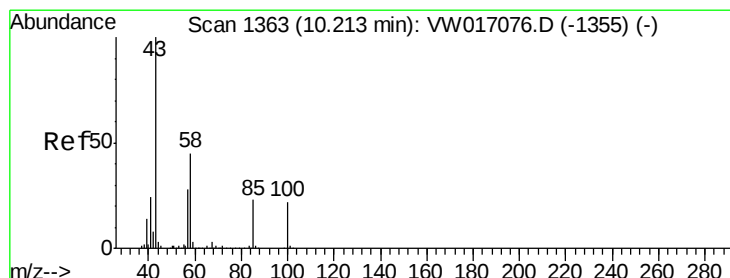
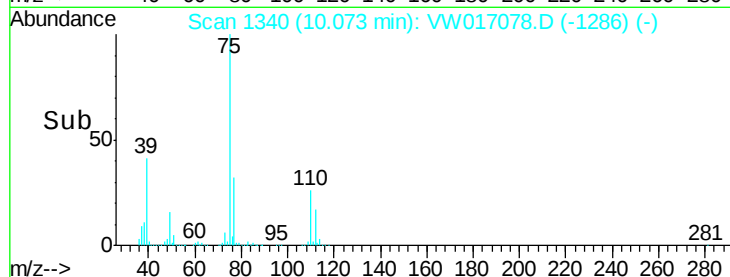
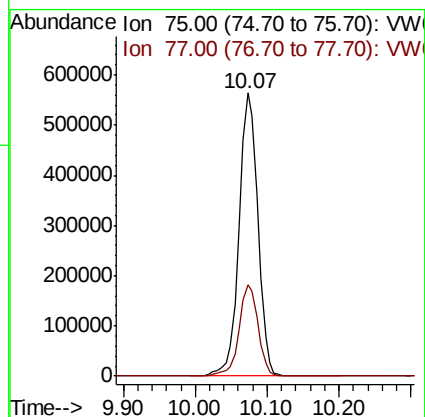
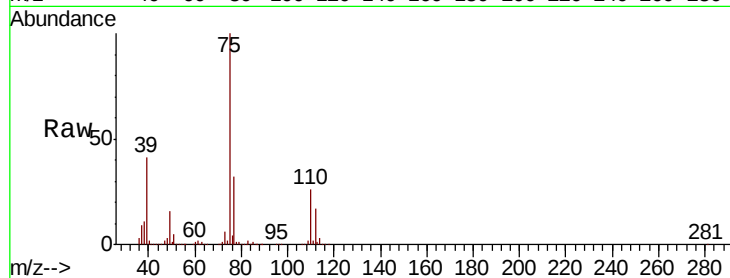
VSTD10002

Tot Ion: 75 Resp: 1023867

Ion Ratio Lower Upper

75 100

77 32.2 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 249.010 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

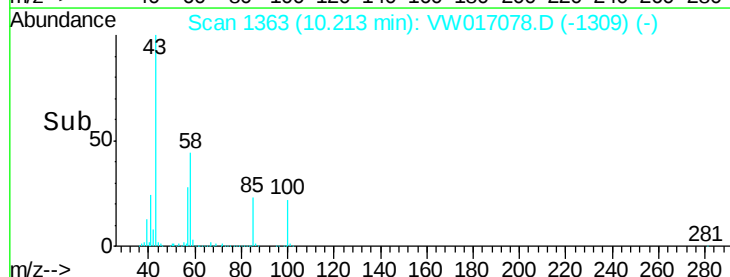
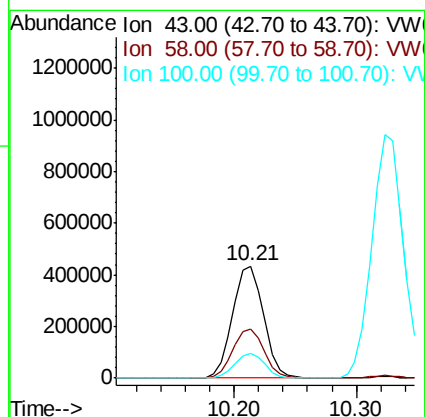
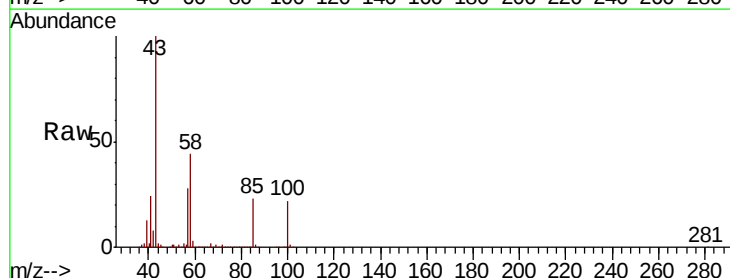
Tgt Ion: 43 Resp: 758014

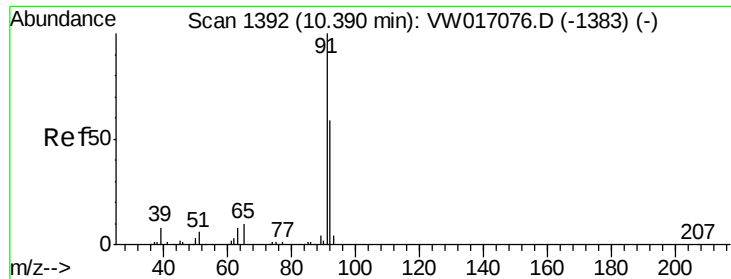
Ion Ratio Lower Upper

43 100

58 44.2 35.0 52.6

100 21.4 16.6 24.8





#44

Toluene

Concen: 95.533 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

Instrument :

MSVOA_W

ClientSampleId :

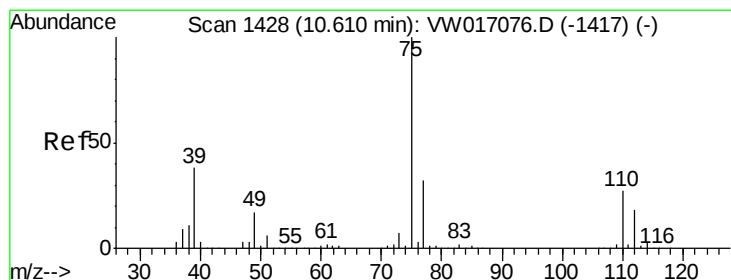
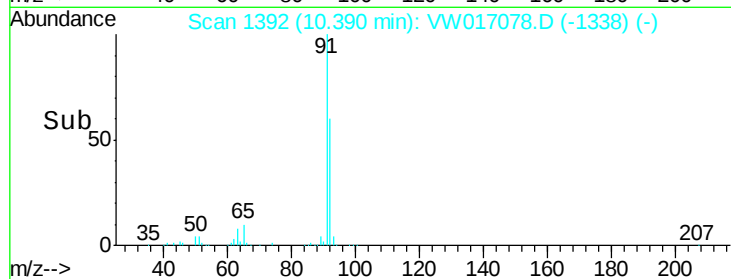
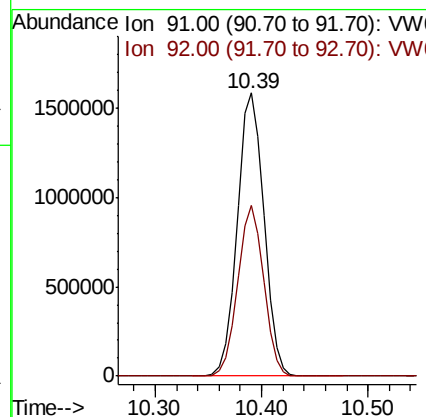
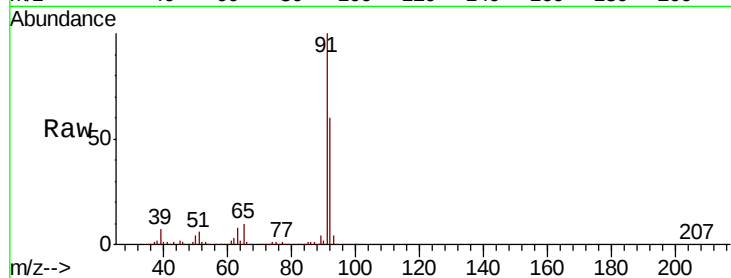
VSTD10002

Tot Ion: 91 Resp: 2783278

Ion Ratio Lower Upper

91 100

92 60.4 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 114.084 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017078.D

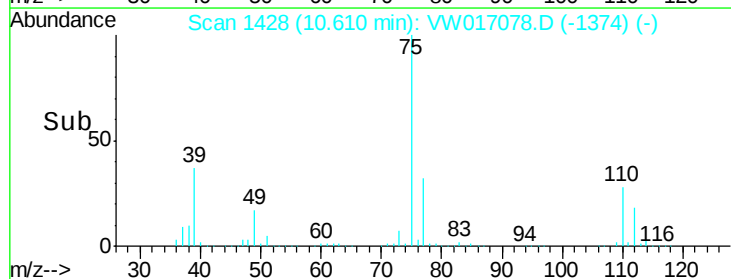
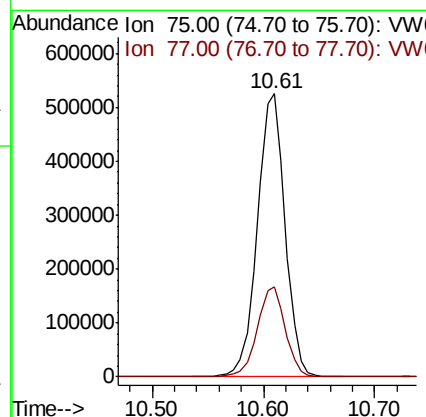
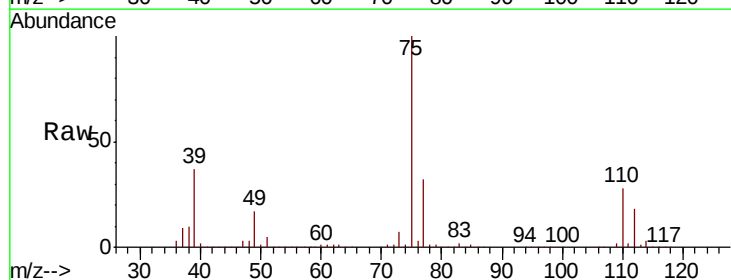
Acq: 04 Nov 2020 15:41

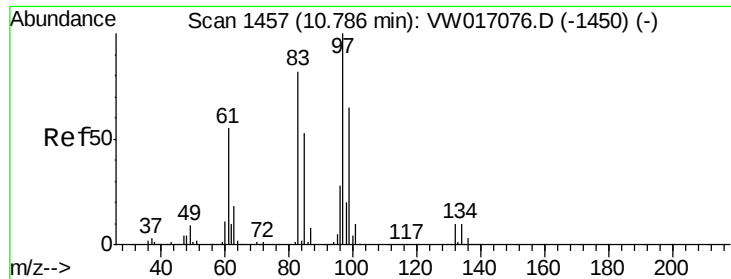
Tgt Ion: 75 Resp: 909082

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1

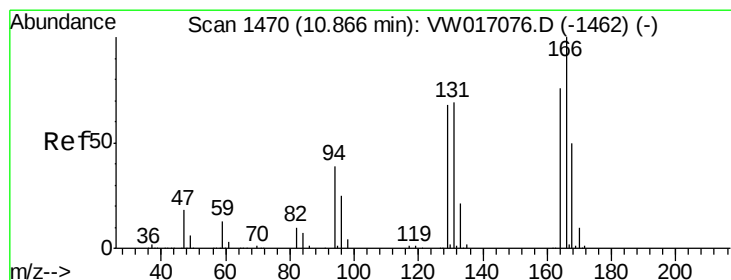
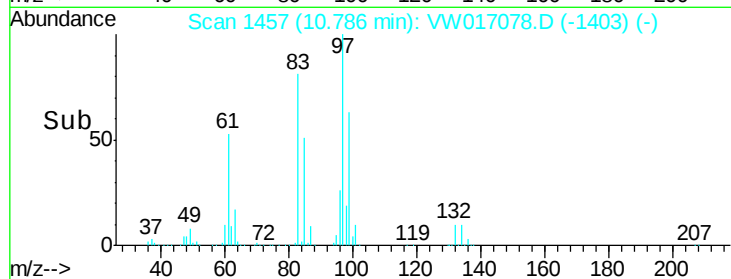
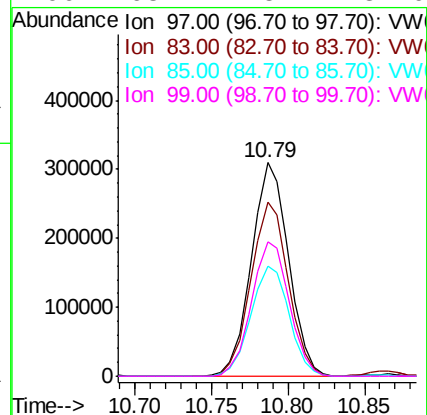
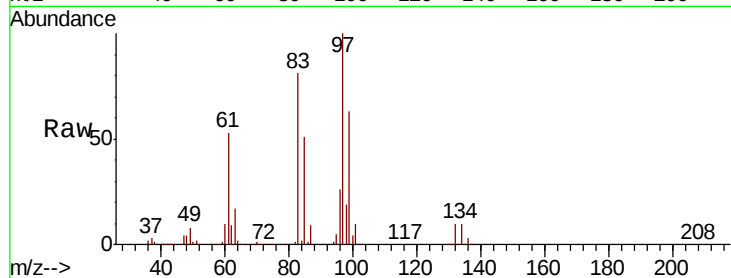




#46
1,1,2-Trichloroethane
Concen: 105.738 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW017078.D
Acq: 04 Nov 2020 15:41

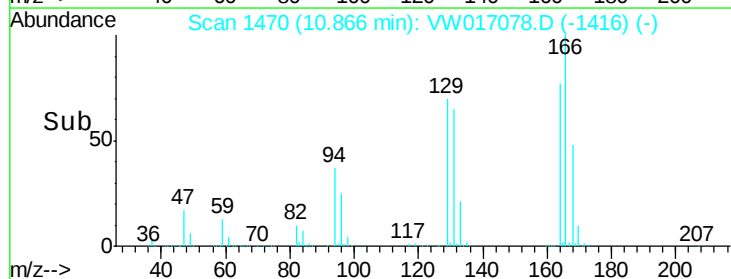
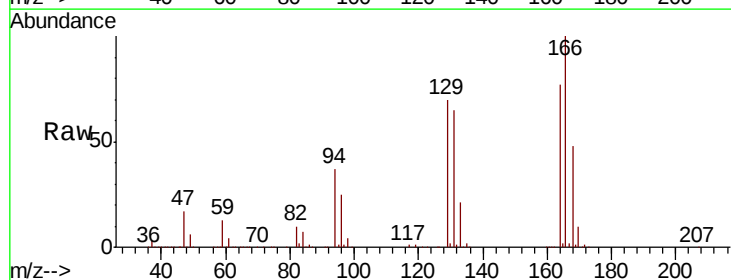
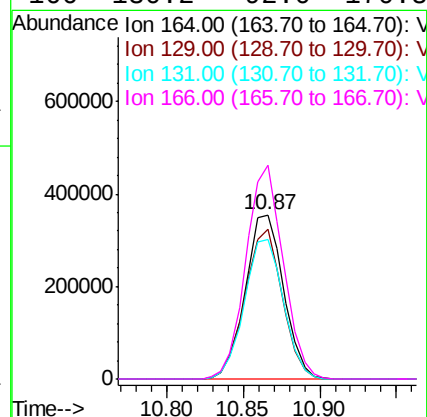
Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

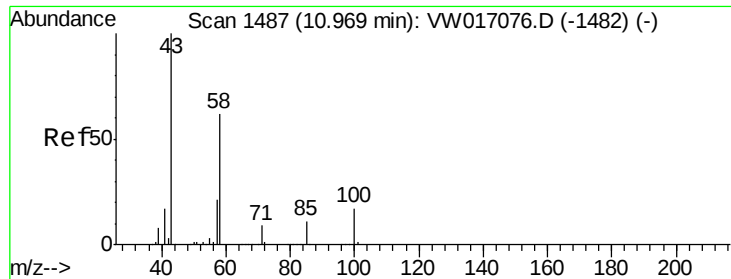
Tot Ion	Ratio	Lower	Upper
97	100		
83	81.3	57.3	106.5
85	51.4	37.2	69.0
99	63.2	45.7	84.9



#47
Tetrachloroethene
Concen: 91.171 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017078.D
Acq: 04 Nov 2020 15:41

Tgt Ion	Ratio	Lower	Upper
164	100		
129	91.4	62.9	116.7
131	85.2	63.3	117.5
166	130.2	92.0	170.8





#49

2-Hexanone

Concen: 264.752 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

Tot Ion: 43 Resp: 513038

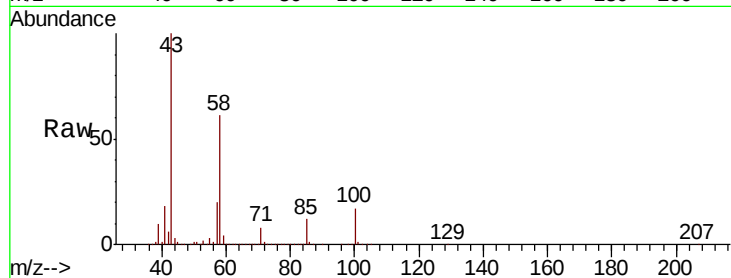
Ion Ratio Lower Upper

43 100

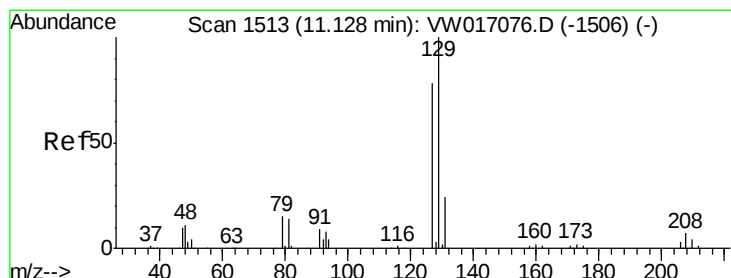
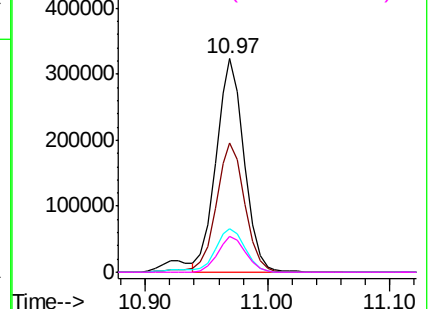
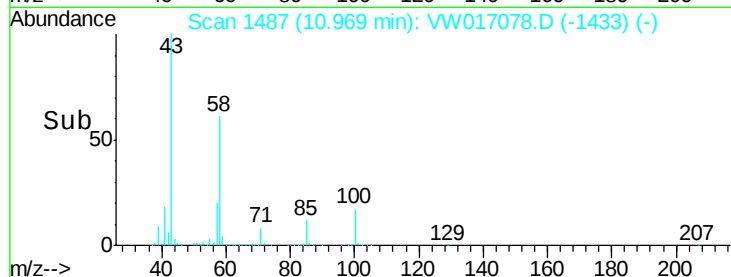
58 61.6 50.6 75.8

57 21.4 17.8 26.6

100 16.9 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: 113.301 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017078.D

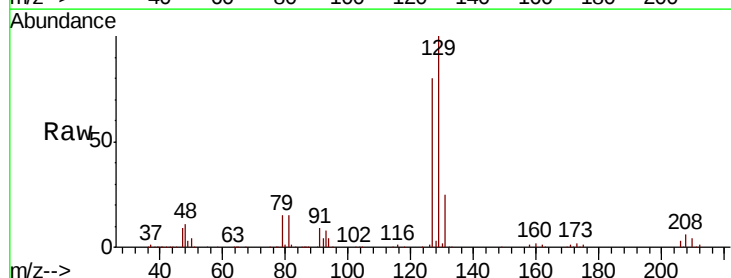
Acq: 04 Nov 2020 15:41

Tgt Ion: 129 Resp: 681305

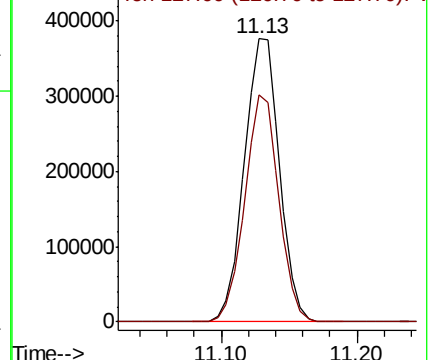
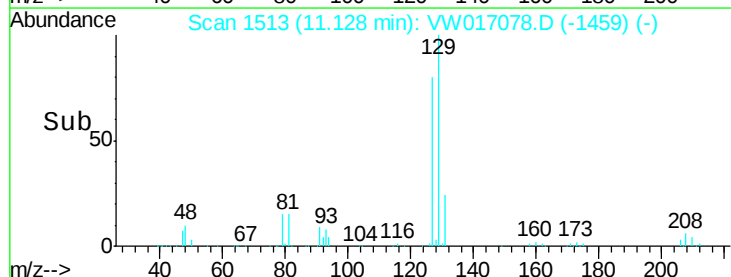
Ion Ratio Lower Upper

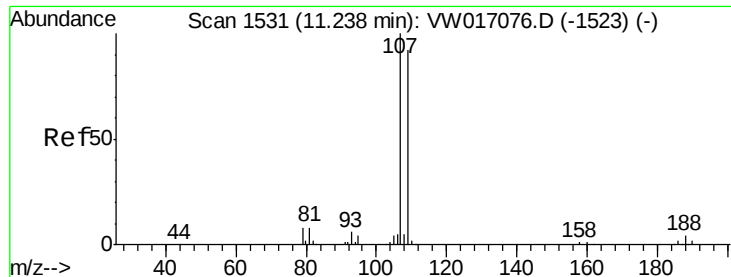
129 100

127 80.3 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

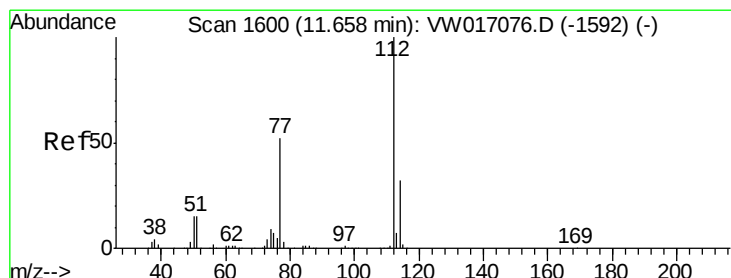
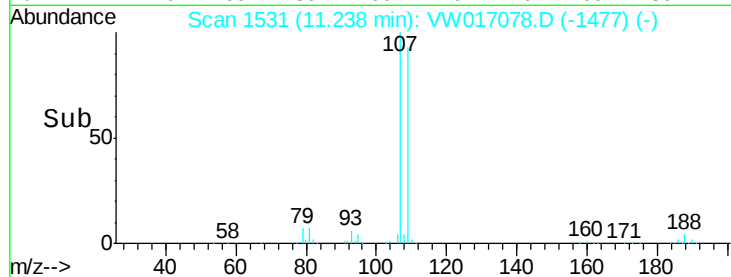
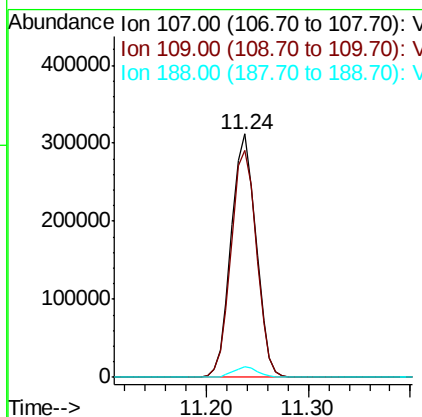
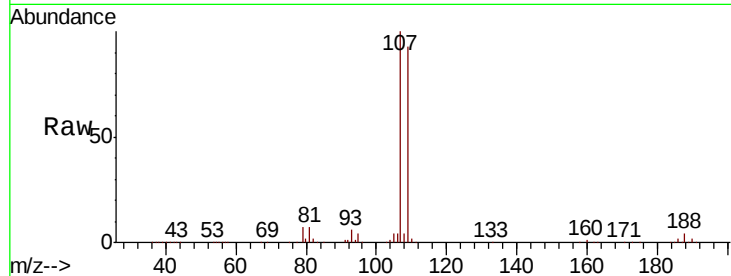




#51
1,2-Dibromoethane
Concen: 110.378 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017078.D
Acq: 04 Nov 2020 15:41

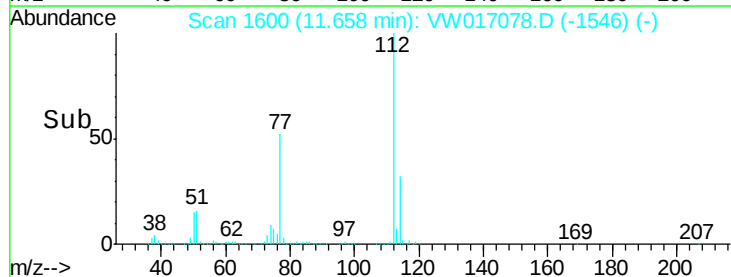
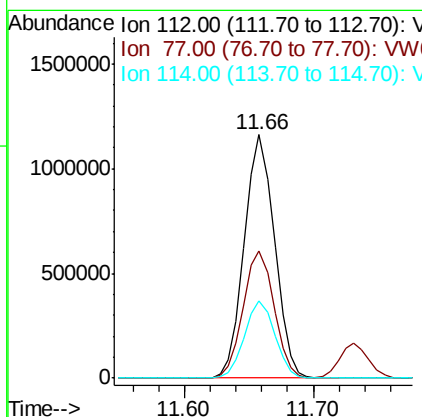
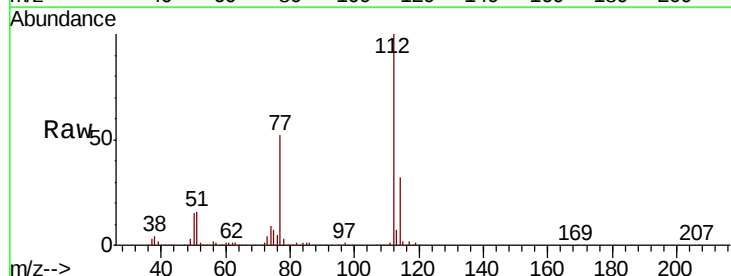
Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

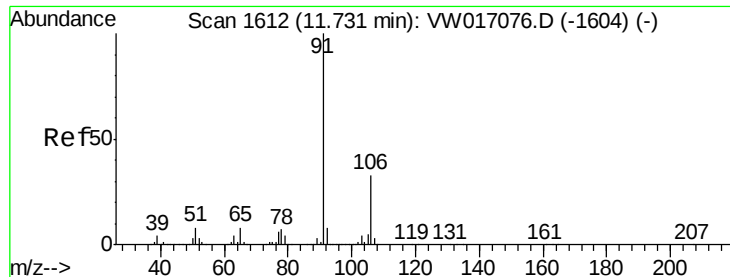
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	64.3	119.5
188	4.4	3.3	4.9



#52
Chlorobenzene
Concen: 96.489 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017078.D
Acq: 04 Nov 2020 15:41

Tgt Ion	Ratio	Lower	Upper
112	100		
77	52.3	41.7	62.5
114	31.7	22.3	41.3

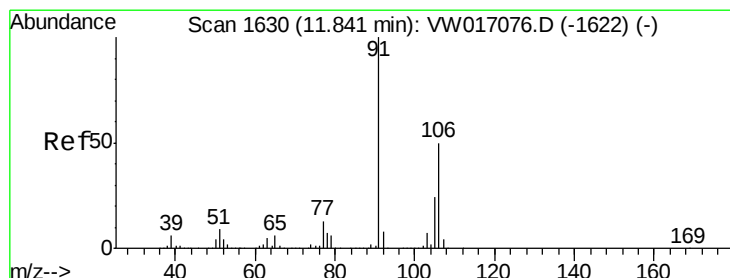
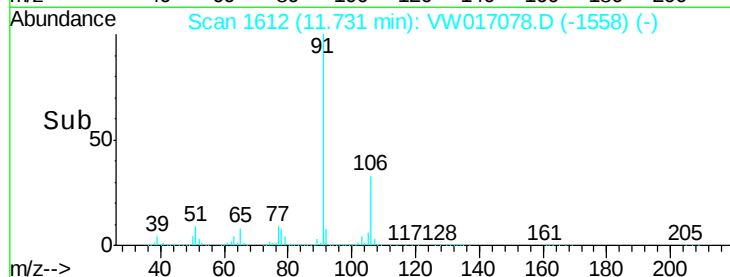
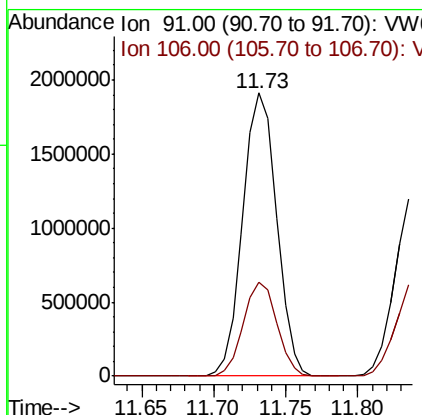
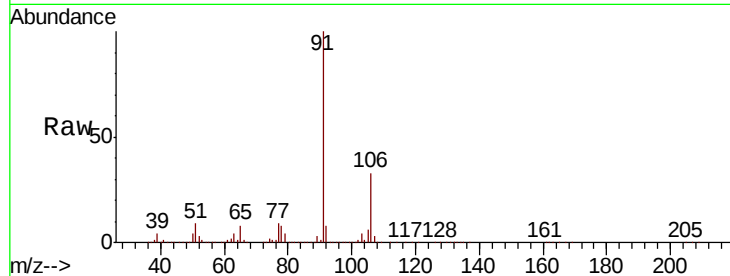




#53
Ethylbenzene
Concen: 95.921 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017078.D
Acq: 04 Nov 2020 15:41

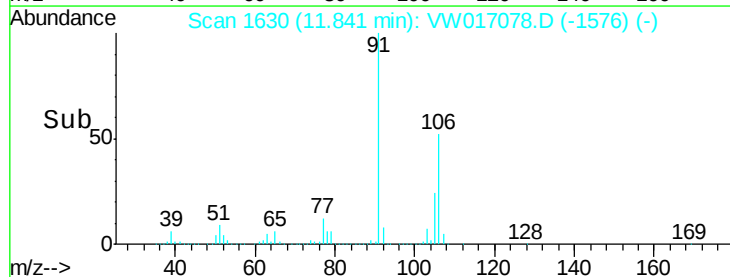
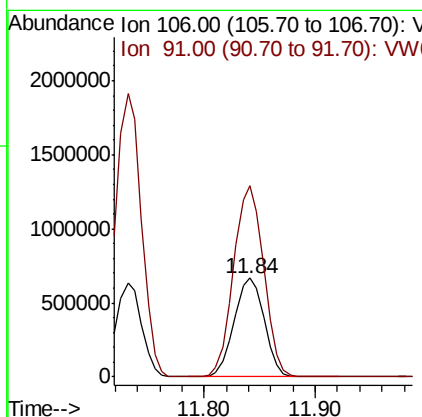
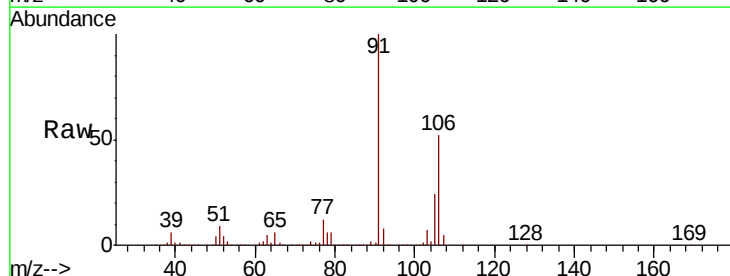
Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

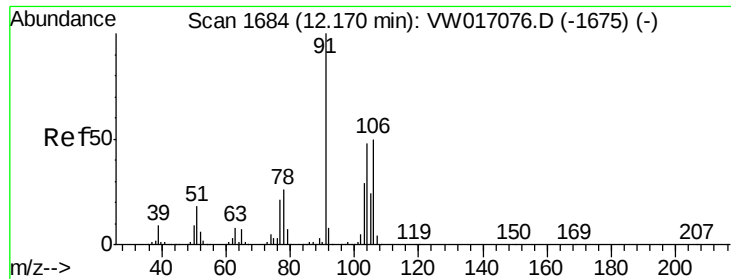
Tot Ion: 91 Resp: 3128825
Ion Ratio Lower Upper
91 100
106 33.1 22.9 42.5



#54
m,p-Xylene
Concen: 97.691 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017078.D
Acq: 04 Nov 2020 15:41

Tgt Ion: 106 Resp: 1252574
Ion Ratio Lower Upper
106 100
91 193.9 138.7 257.5

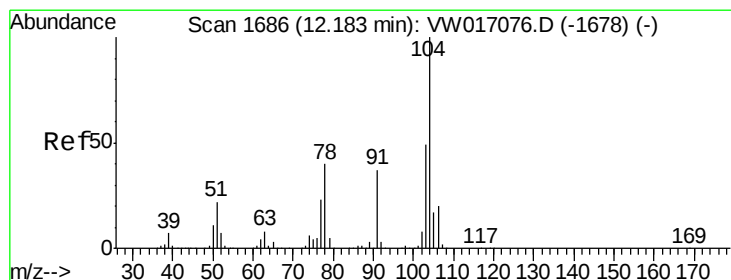
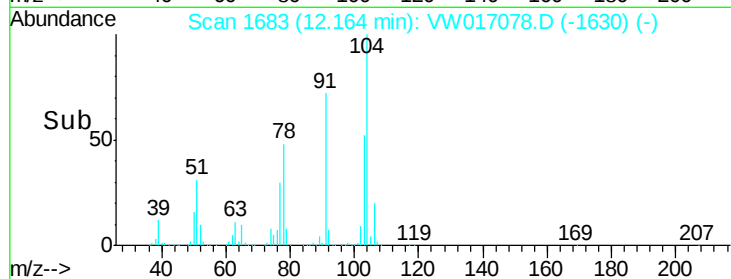
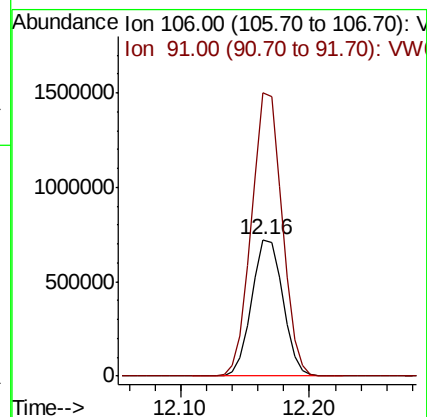
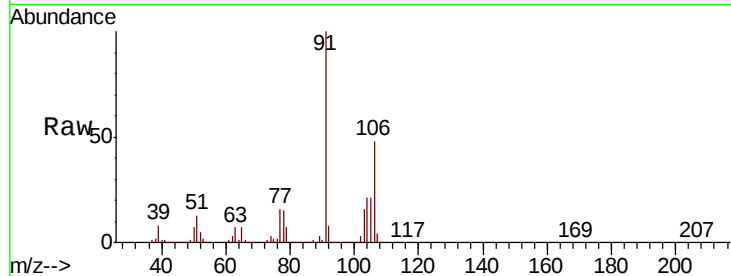




#55
o-xylene
Concen: 99.988 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW017078.D
Acq: 04 Nov 2020 15:41

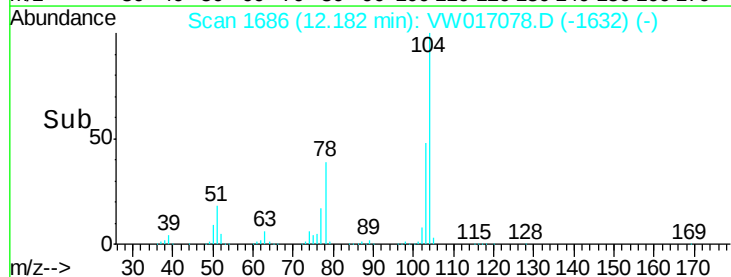
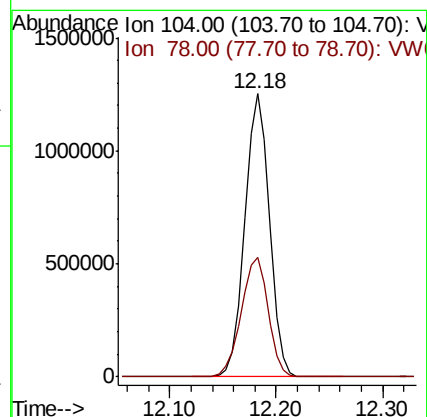
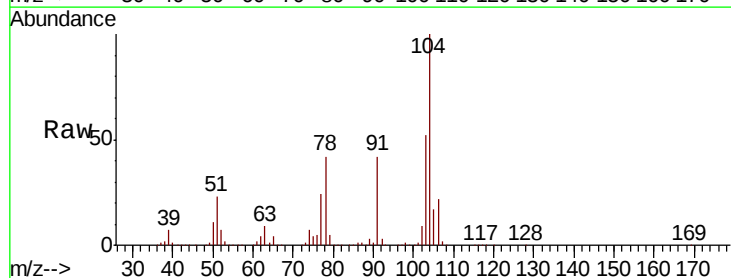
Instrument :
MSVOA_W
ClientSampled :
VSTD10002

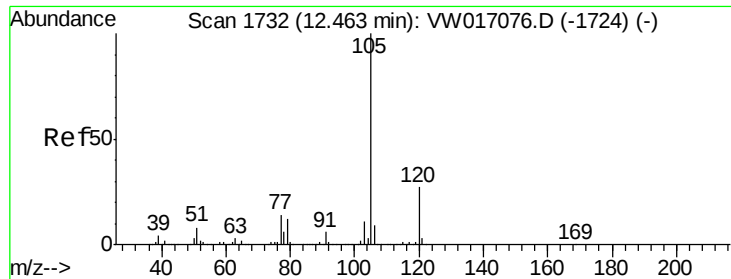
Tot Ion:106 Resp: 1202623
Ion Ratio Lower Upper
106 100
91 207.0 140.8 261.4



#56
Styrene
Concen: 101.414 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017078.D
Acq: 04 Nov 2020 15:41

Tgt Ion:104 Resp: 2037437
Ion Ratio Lower Upper
104 100
78 42.4 28.2 52.4





#57

Isopropylbenzene

Concen: 98.002 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

Instrument :

MSVOA_W

ClientSampled :

VSTD10002

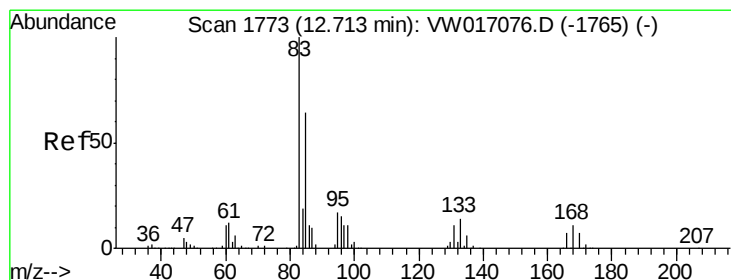
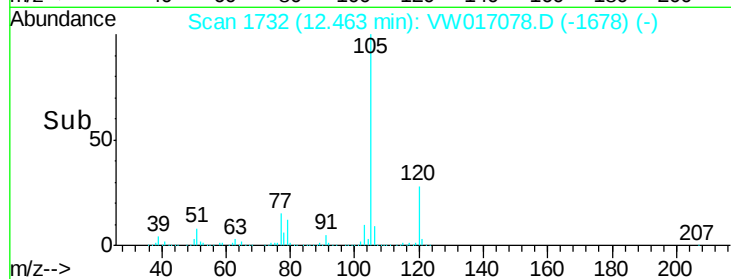
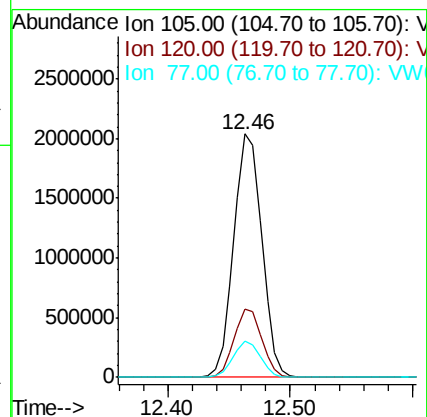
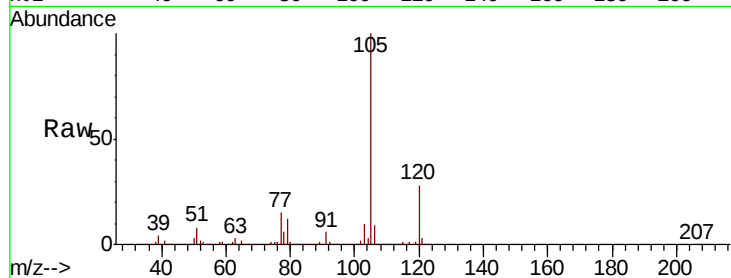
Tot Ion:105 Resp: 3228662

Ion Ratio Lower Upper

105 100

120 27.8 21.8 32.6

77 14.4 11.4 17.0



#58

1,1,2,2-Tetrachloroethane

Concen: 114.074 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

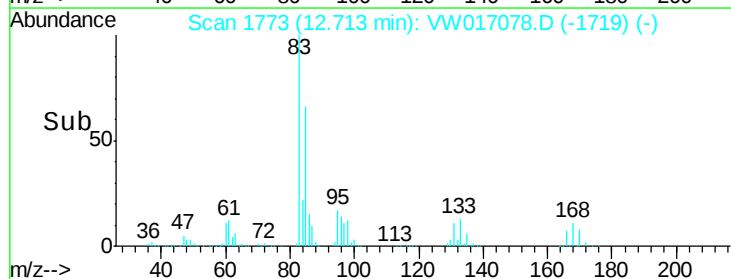
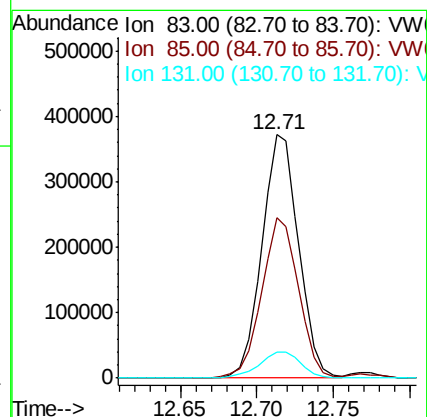
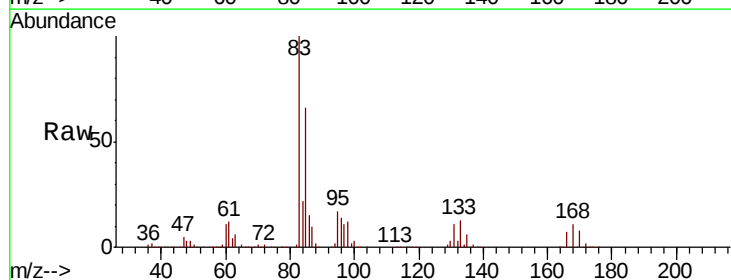
Tgt Ion: 83 Resp: 620441

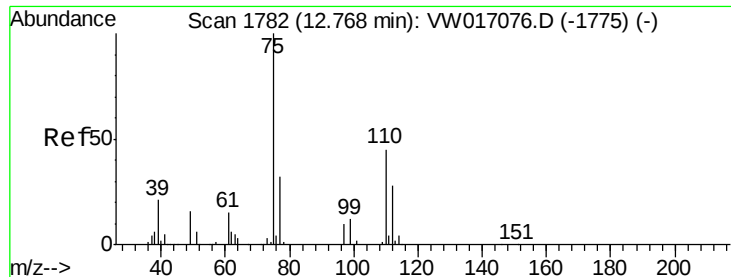
Ion Ratio Lower Upper

83 100

85 66.0 44.9 83.5

131 10.8 8.8 13.2

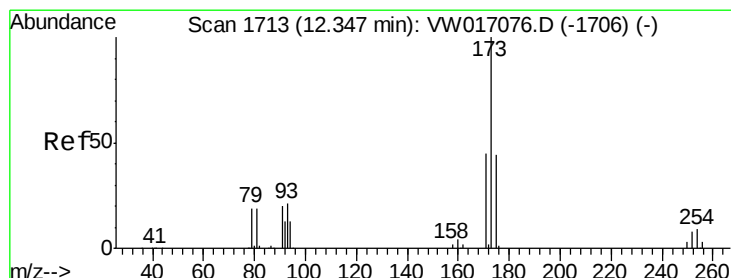
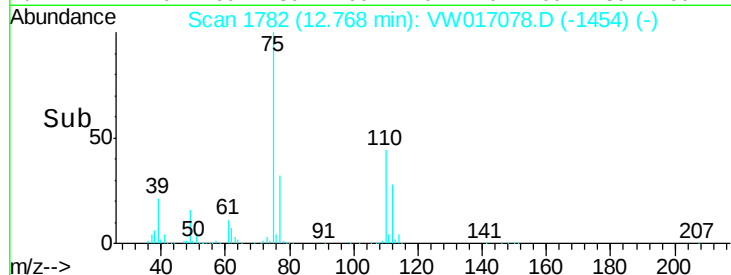
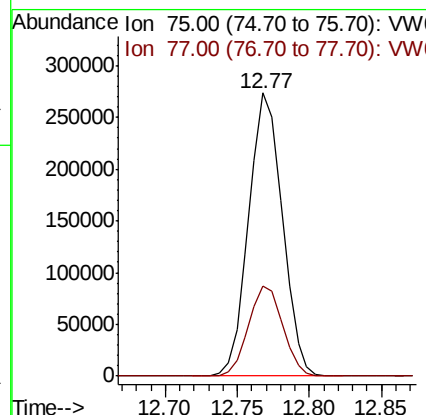
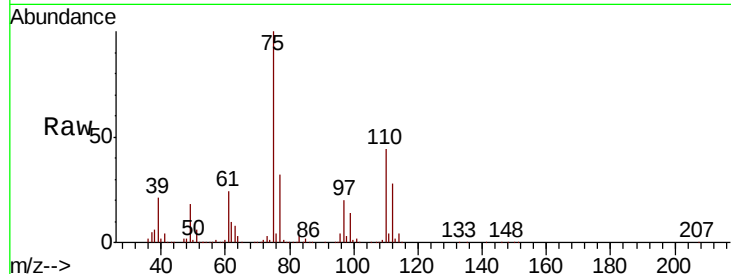




#59
 1,2,3-Trichloropropane
 Concen: 113.628 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW017078.D
 Acq: 04 Nov 2020 15:41

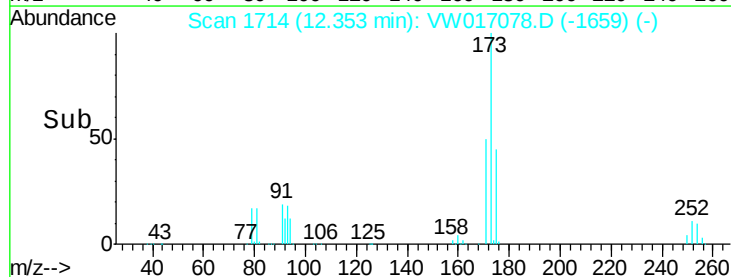
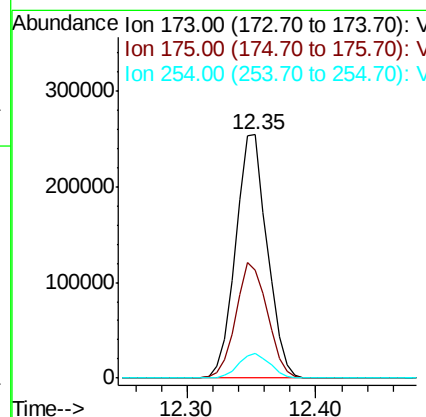
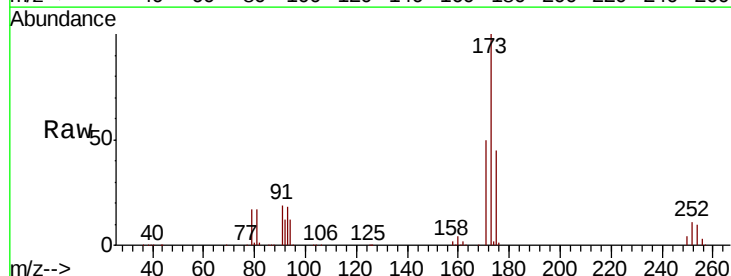
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

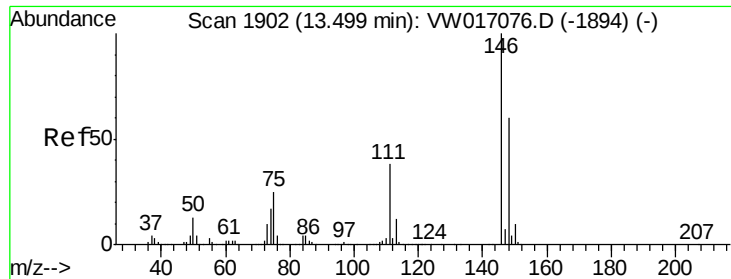
Tot Ion: 75 Resp: 442649
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.4 39.6



#62
 Bromoform
 Concen: 116.671 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW017078.D
 Acq: 04 Nov 2020 15:41

Tgt Ion: 173 Resp: 433882
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.3 57.5
 254 10.2 8.1 12.1

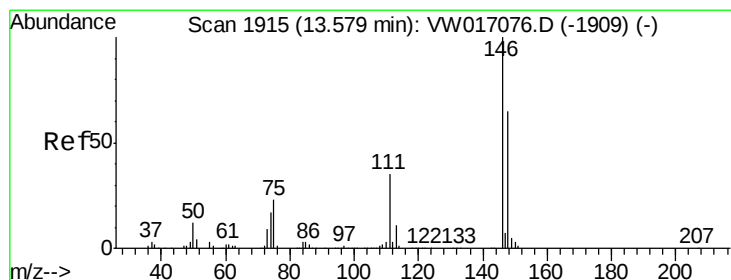
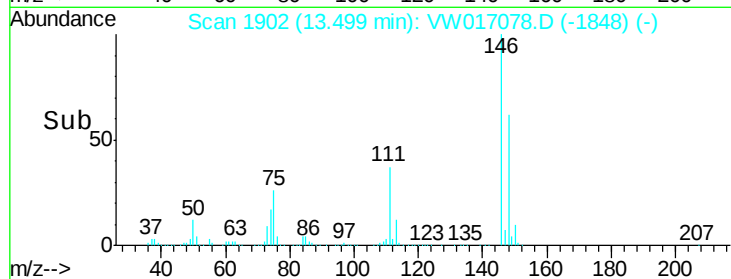
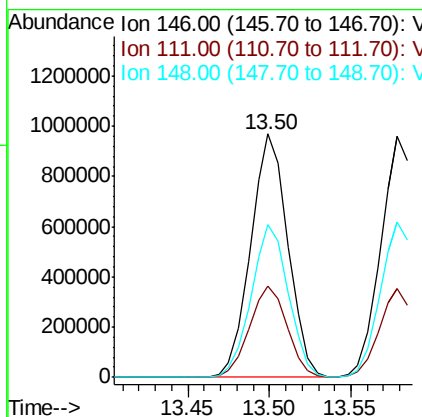
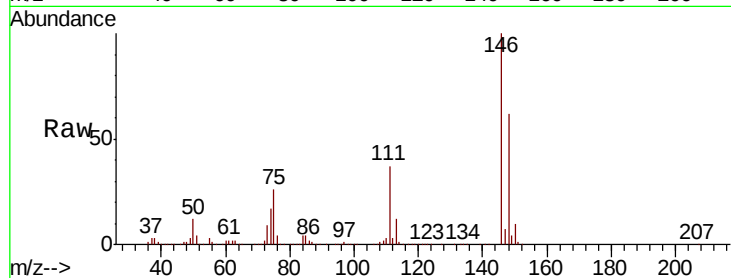




#63
 1,3-Dichlorobenzene
 Concen: 93.315 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017078.D
 Acq: 04 Nov 2020 15:41

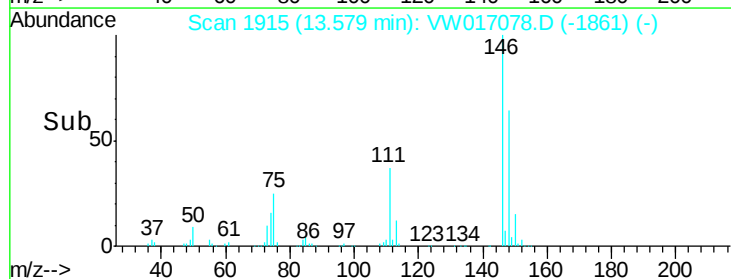
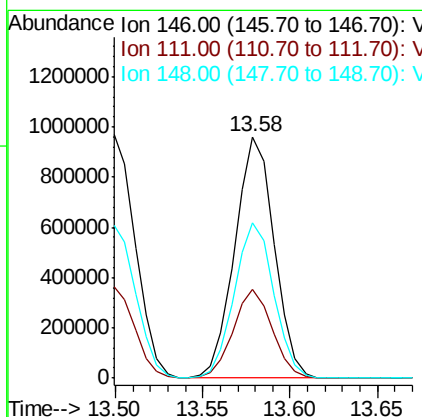
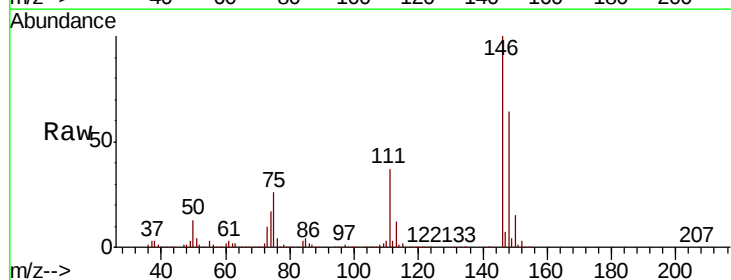
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

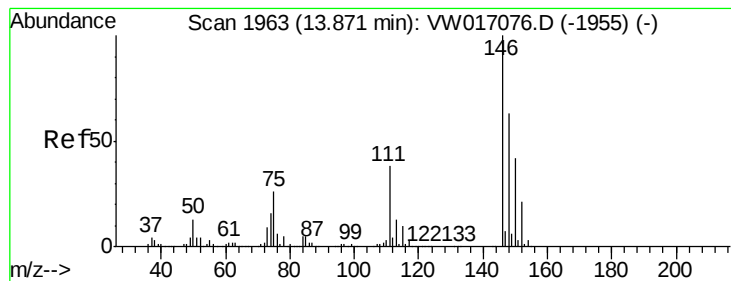
Tot Ion:146 Resp: 1538832
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.4 49.0
 148 62.5 42.1 78.1



#64
 1,4-Dichlorobenzene
 Concen: 91.740 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017078.D
 Acq: 04 Nov 2020 15:41

Tgt Ion:146 Resp: 1511688
 Ion Ratio Lower Upper
 146 100
 111 36.8 24.5 45.5
 148 64.1 45.5 84.5





#65

1,2-Dichlorobenzene

Concen: 92.060 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

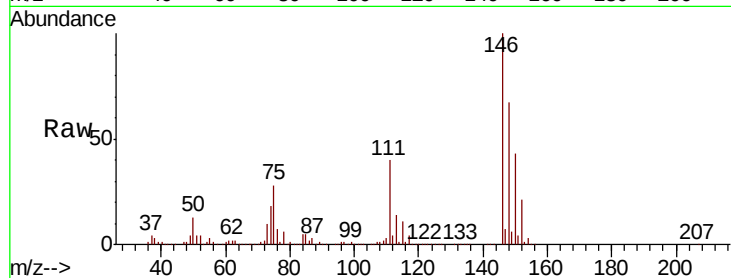
Tot Ion:146 Resp: 1356301

Ion Ratio Lower Upper

146 100

111 40.3 30.5 45.7

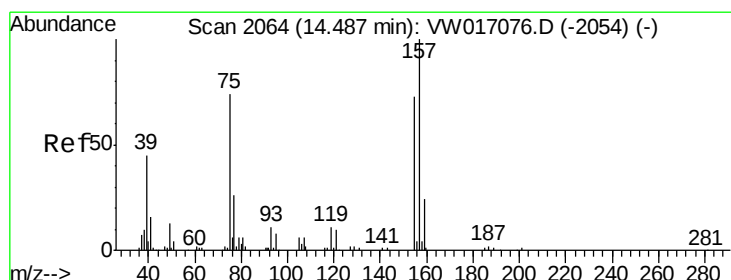
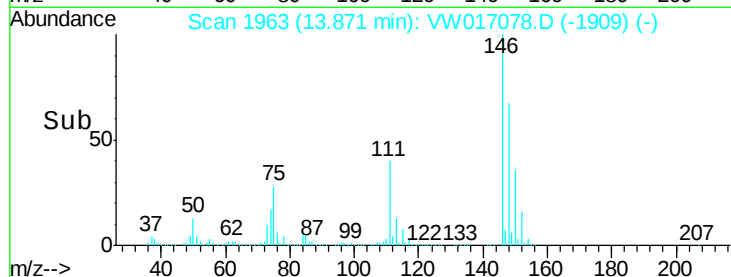
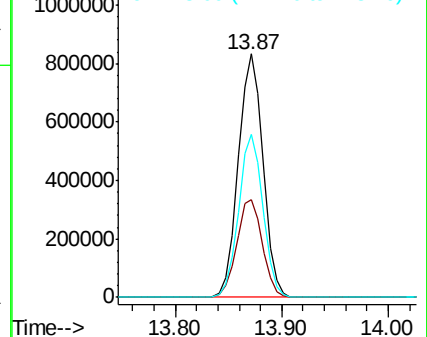
148 66.9 50.3 75.5



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: 122.460 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

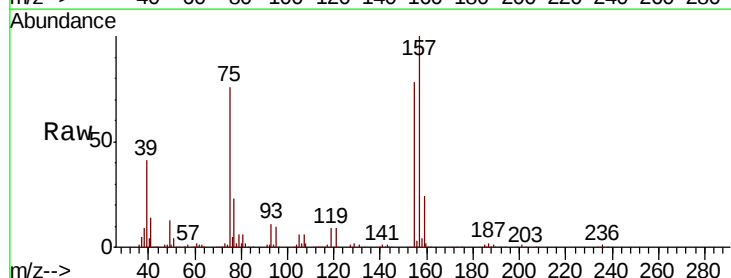
Tgt Ion: 75 Resp: 103198

Ion Ratio Lower Upper

75 100

157 132.1 108.2 162.4

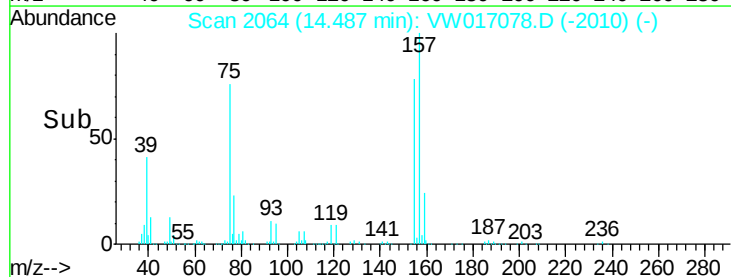
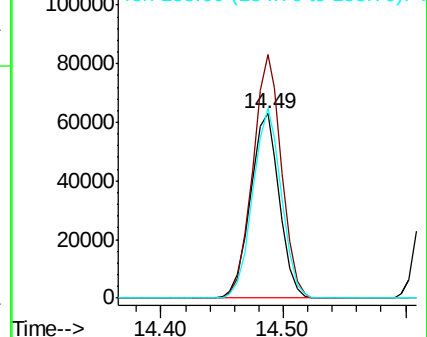
155 103.2 79.1 118.7

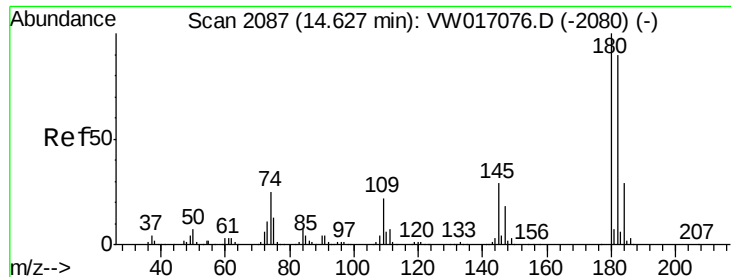


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V



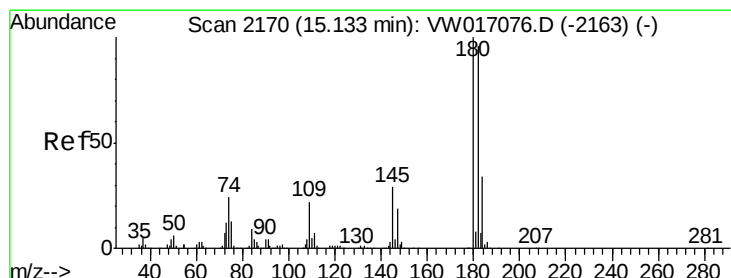
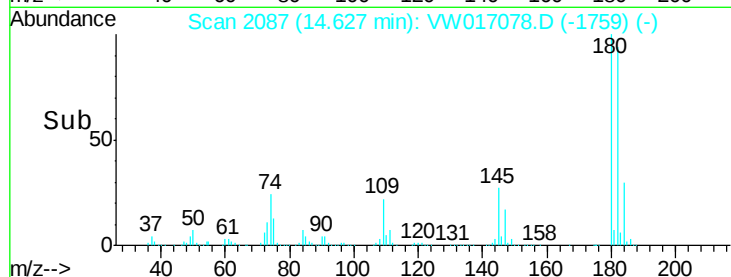
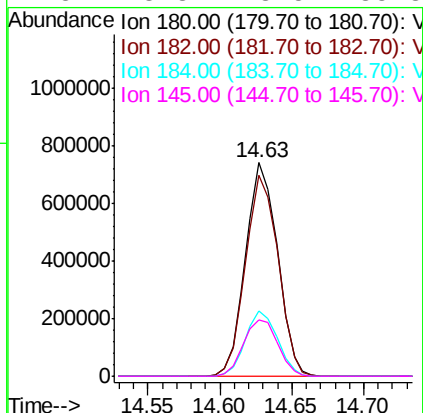
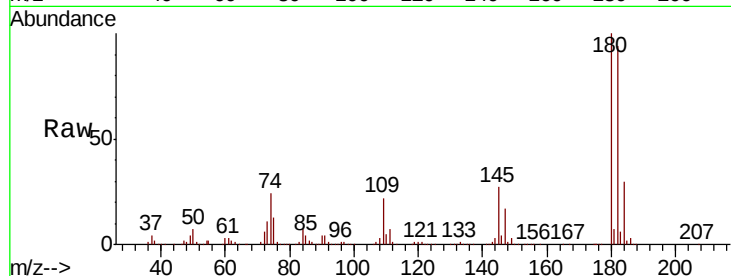


#67
 1,3,5-Trichlorobenzene
 Concen: 94.522 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017078.D
 Acq: 04 Nov 2020 15:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

Tot Ion:180 Resp: 1143807

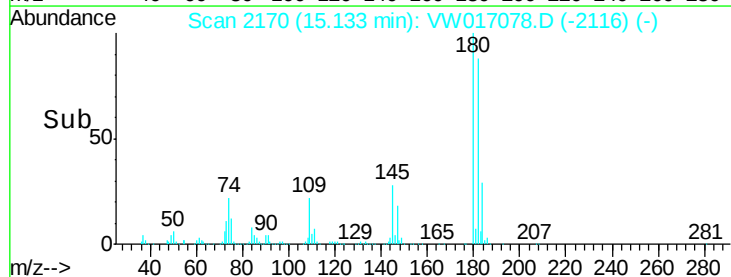
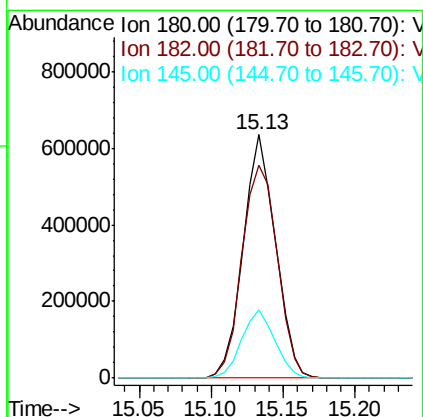
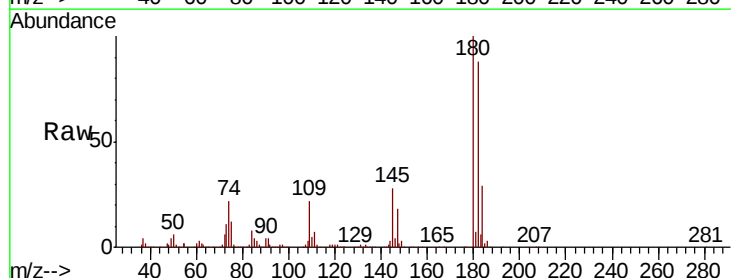
Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.2	115.8
184	30.5	24.2	36.4
145	28.3	23.5	35.3

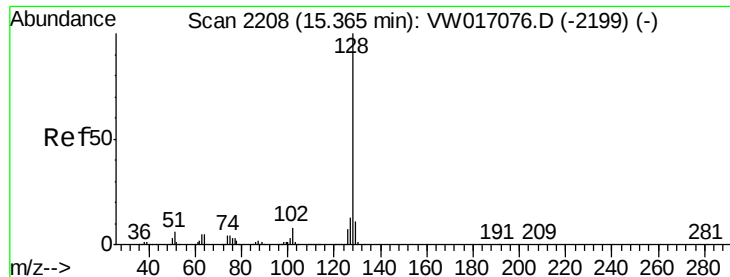


#68
 1,2,4-trichlorobenzene
 Concen: 104.447 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017078.D
 Acq: 04 Nov 2020 15:41

Tgt Ion:180 Resp: 987242

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.7	115.1
145	28.6	23.6	35.4





#69

Naphthalene

Concen: 124.133 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

Instrument :

MSVOA_W

ClientSampled :

VSTD10002

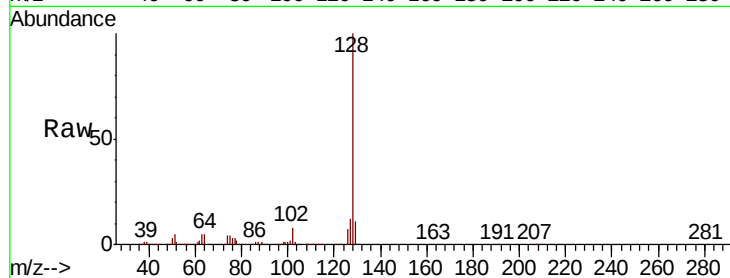
Tot Ion:128 Resp: 1988334

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

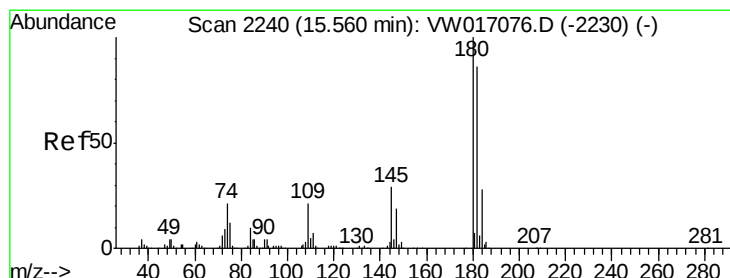
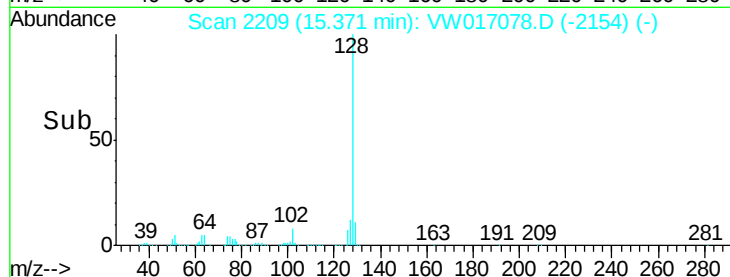
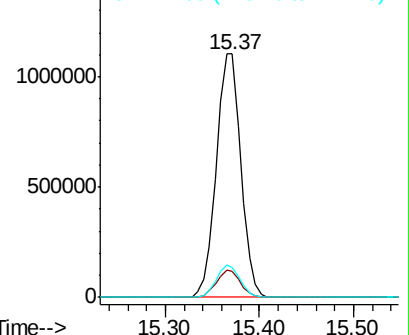
127 12.8 10.2 15.2



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: 103.833 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017078.D

Acq: 04 Nov 2020 15:41

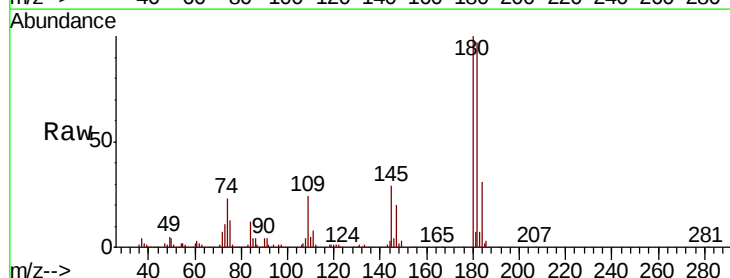
Tgt Ion:180 Resp: 867409

Ion Ratio Lower Upper

180 100

182 95.7 75.5 113.3

145 32.0 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

