

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111120\
 Data File : VW017153.D
 Acq On : 11 Nov 2020 09:55
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Quant Time: Nov 12 03:07:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 01:15:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	477908	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	430915	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	219755	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	144623	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.12%
7) Chloroethane-d5	2.89	69	121974	26.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.16%
10) 1,1-Dichloroethene-d2	4.03	63	253740	23.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.28%
20) 2-Butanone-d5	7.08	46	59828	44.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.88%
24) Chloroform-d	7.65	84	289164	25.92	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.68%
26) 1,2-Dichloroethane-d4	8.31	65	140243	25.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.12%
29) Benzene-d6	8.27	84	548972	25.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.08%
33) 1,2-Dichloropropane-d6	9.27	67	153417	25.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.12%
37) Toluene-d8	10.32	98	512513	24.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.08%
38) trans-1,3-Dichloropropene-	10.58	79	67373	24.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.48%
39) 2-Hexanone-d5	10.93	63	47982	45.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	130762	24.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	193420	24.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	101067	21.078	ug/L	97
3) Chloromethane	2.21	50	90161	20.718	ug/L	99
5) Vinyl chloride	2.37	62	147477	23.106	ug/L	98
6) Bromomethane	2.78	94	102484	23.218	ug/L	99
8) Chloroethane	2.93	64	90937	23.613	ug/L	99
9) Trichlorofluoromethane	3.27	101	128027	24.663	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	140806	22.826	ug/L	98
12) 1,1-Dichloroethene	4.04	96	130442	21.991	ug/L	96
13) Acetone	4.13	43	34875	38.693	ug/L	94
14) Carbon disulfide	4.39	76	327152	20.267	ug/L	99
15) Methyl Acetate	4.67	43	42295	18.932	ug/L	98
16) Methylene chloride	4.92	84	130210	20.209	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	159512	22.023	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	133994	21.823	ug/L	97
19) 1,1-Dichloroethane	6.22	63	219904	22.606	ug/L	97
21) 2-Butanone	7.17	43	52082	35.987	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	141890	21.856	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111120\
 Data File : VW017153.D
 Acq On : 11 Nov 2020 09:55
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Quant Time: Nov 12 03:07:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 01:15:29 2020
 Response via : Initial Calibration

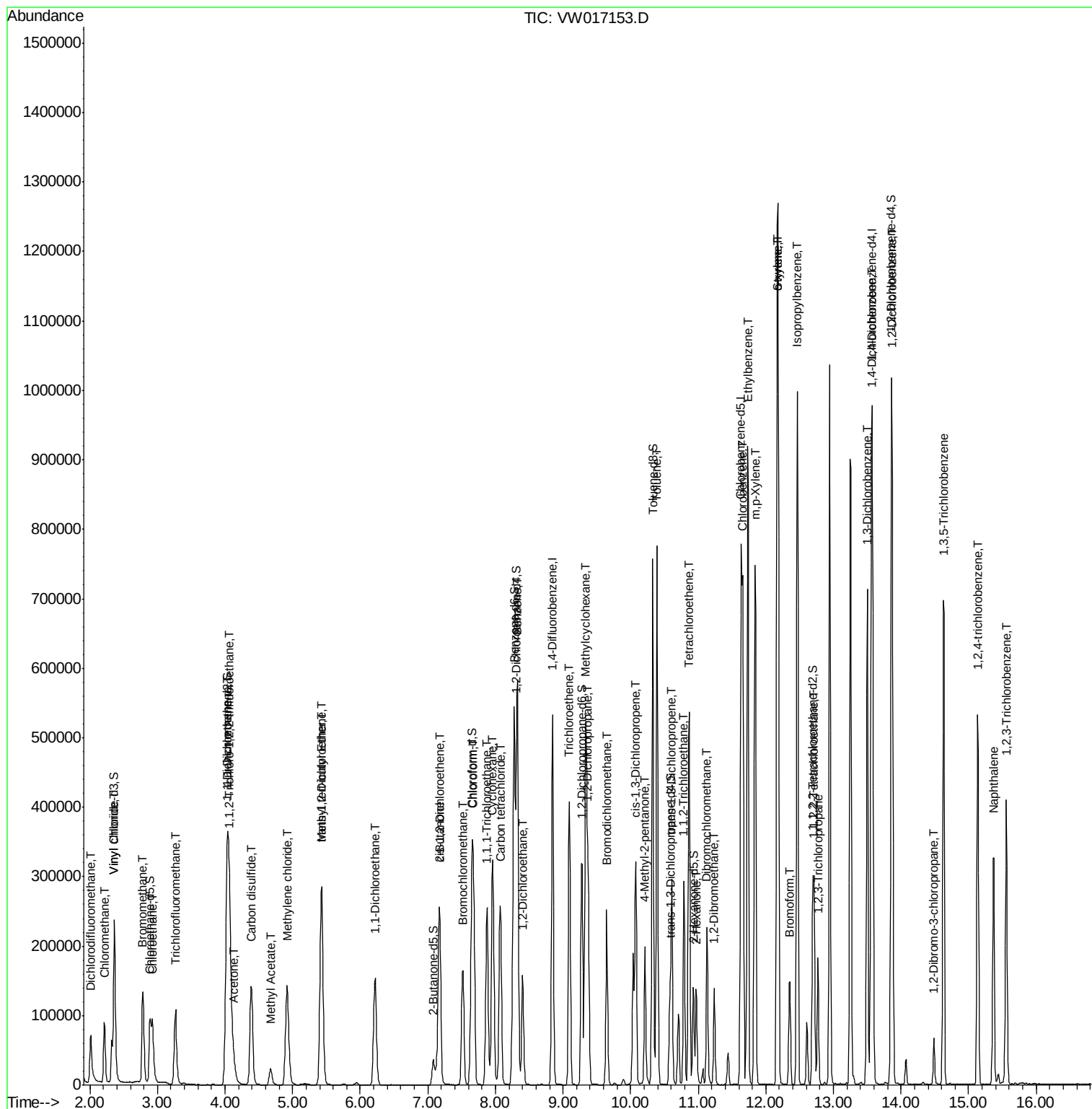
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	67985	21.751	ug/L	93
25) Chloroform	7.68	83	244598	23.095	ug/L	99
27) 1,2-Dichloroethane	8.40	62	141464	22.289	ug/L	96
30) Cyclohexane	7.96	56	177985	21.937	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	215924	24.469	ug/L	99
32) Carbon tetrachloride	8.07	117	206467	24.247	ug/L	98
34) Benzene	8.32	78	510721	22.571	ug/L	100
35) Trichloroethene	9.09	95	141537	22.330	ug/L	99
36) Methylcyclohexane	9.34	83	232048	22.751	ug/L	99
40) 1,2-Dichloropropane	9.37	63	117841	22.279	ug/L	98
41) Bromodichloromethane	9.65	83	171648	23.464	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	193034	23.041	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	120932	37.058	ug/L	99
44) Toluene	10.39	91	572655	22.992	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	166035	23.077	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	97555	21.392	ug/L	98
47) Tetrachloroethene	10.87	164	127741	22.337	ug/L	94
49) 2-Hexanone	10.97	43	78616	39.960	ug/L	97
50) Dibromochloromethane	11.13	129	124999	22.498	ug/L	98
51) 1,2-Dibromoethane	11.24	107	91917	20.747	ug/L	98
52) Chlorobenzene	11.66	112	382204	22.689	ug/L	99
53) Ethylbenzene	11.73	91	654656	23.532	ug/L	97
54) m,p-Xylene	11.84	106	252458	23.199	ug/L	94
55) o-xylene	12.16	106	241934	23.422	ug/L	98
56) Styrene	12.18	104	411723	23.741	ug/L	96
57) Isopropylbenzene	12.46	105	674509	24.062	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	110396	20.955	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	77366	20.430	ug/L	99
62) Bromoform	12.35	173	72182	21.398	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	294426	21.538	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	309812	22.558	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	280703	22.770	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	15727	19.295	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	235682	23.396	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	178990	22.266	ug/L	99
69) Naphthalene	15.36	128	297912	20.138	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	156358	21.287	ug/L	99

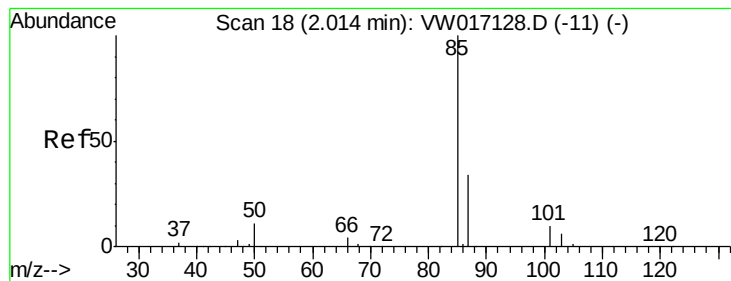
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111120\
Data File : VW017153.D
Acq On : 11 Nov 2020 09:55
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sample Id :
VSTD02522

Quant Time: Nov 12 03:07:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 12 01:15:29 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 21.078 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

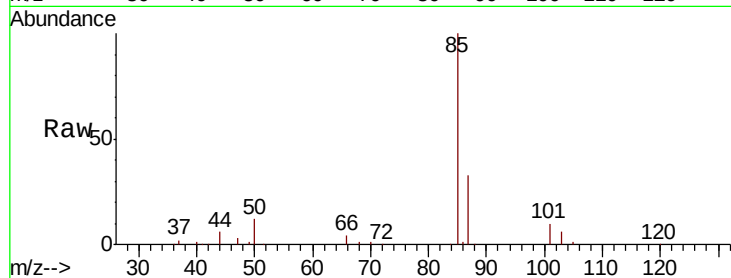
VSTD02522

Tot Ion: 85 Resp: 101067

Ion Ratio Lower Upper

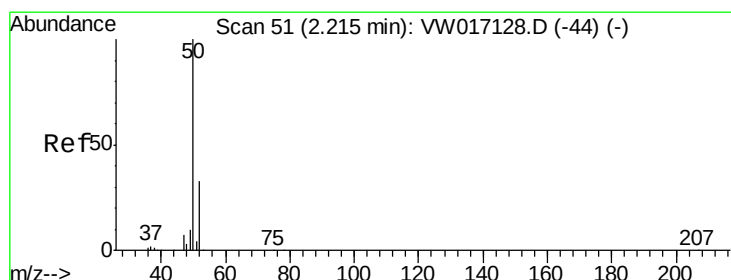
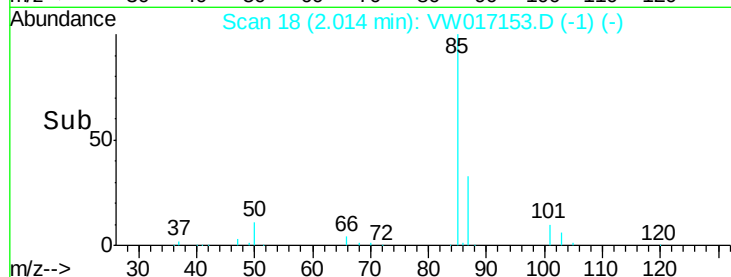
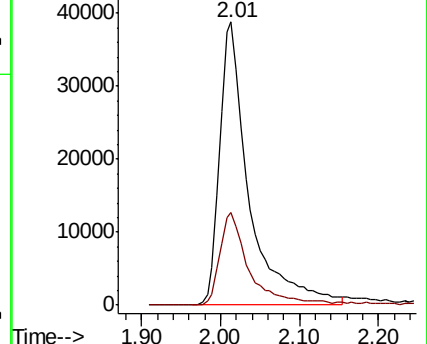
85 100

87 32.3 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: 20.718 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017153.D

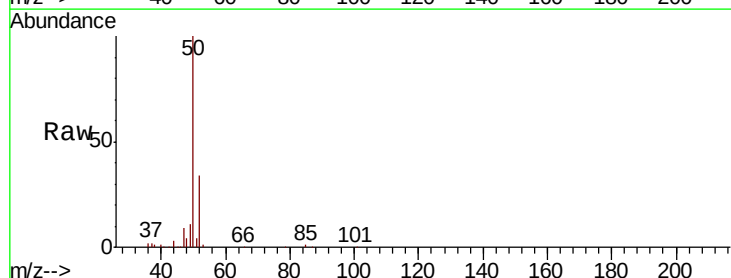
Acq: 11 Nov 2020 09:55

Tgt Ion: 50 Resp: 90161

Ion Ratio Lower Upper

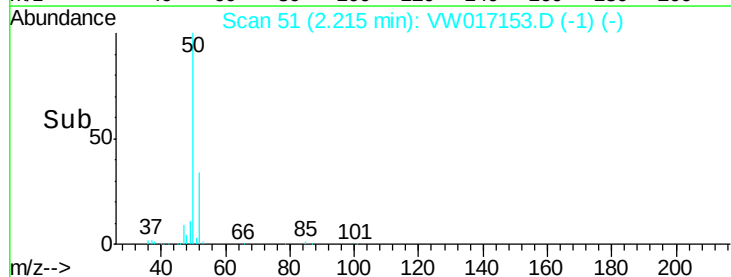
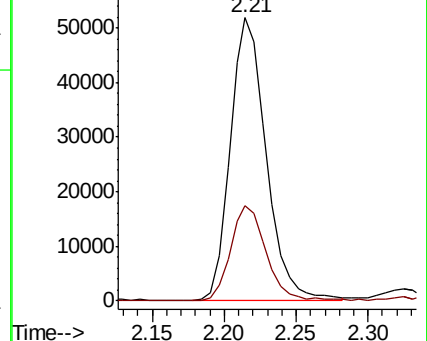
50 100

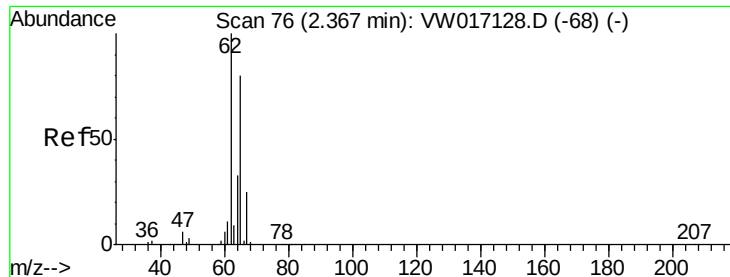
52 33.8 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.106 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

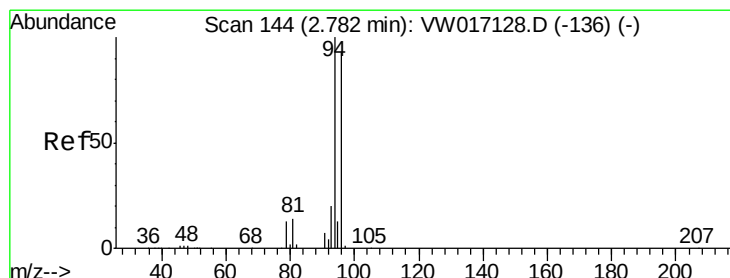
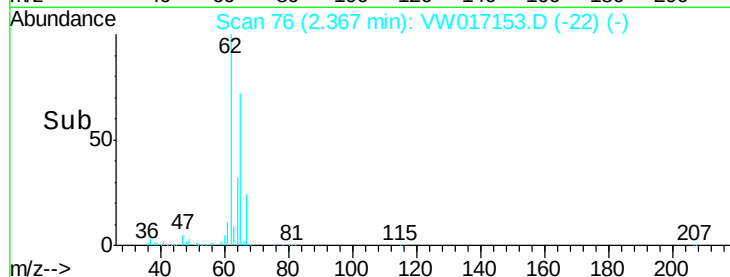
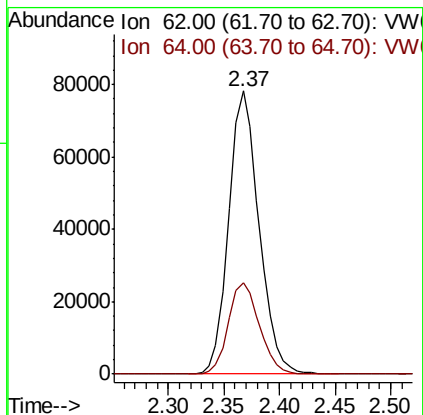
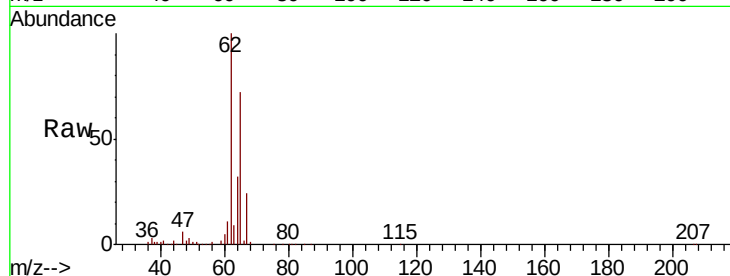
VSTD02522

Tot Ion: 62 Resp: 147477

Ion Ratio Lower Upper

62 100

64 32.1 23.3 43.3



#6

Bromomethane

Concen: 23.218 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW017153.D

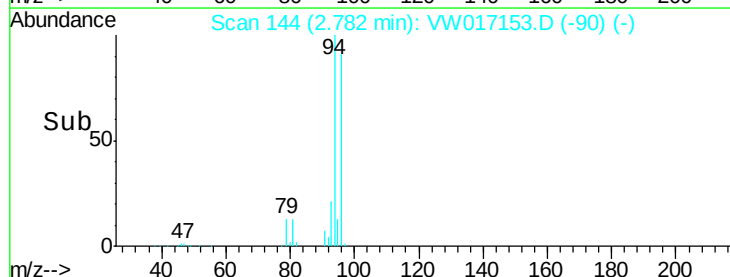
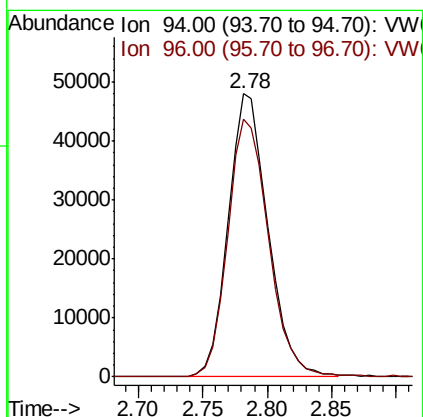
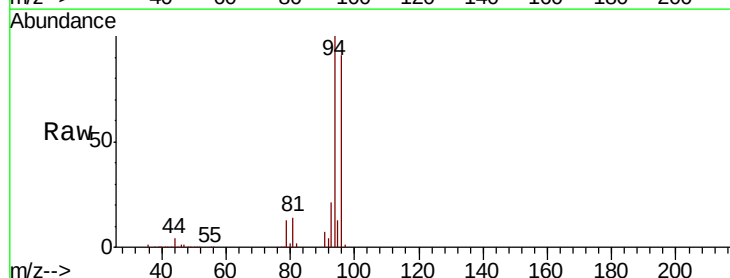
Acq: 11 Nov 2020 09:55

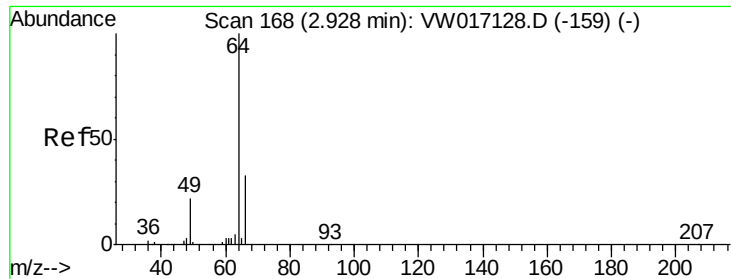
Tgt Ion: 94 Resp: 102484

Ion Ratio Lower Upper

94 100

96 94.4 9.6 181.8





#8

Chloroethane

Concen: 23.613 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

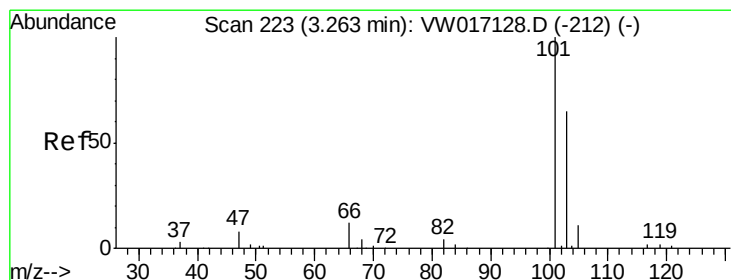
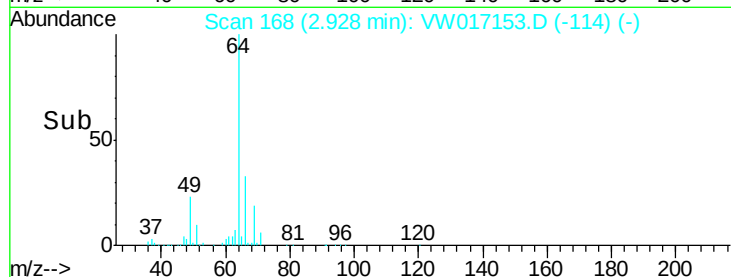
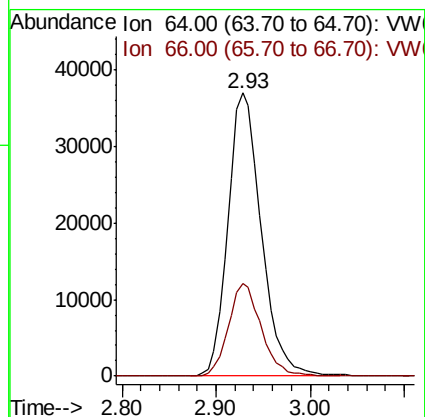
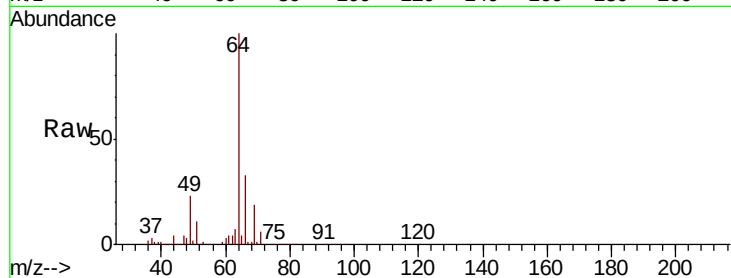
VSTD02522

Tot Ion: 64 Resp: 90937

Ion Ratio Lower Upper

64 100

66 32.6 22.3 41.5



#9

Trichlorofluoromethane

Concen: 24.663 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW017153.D

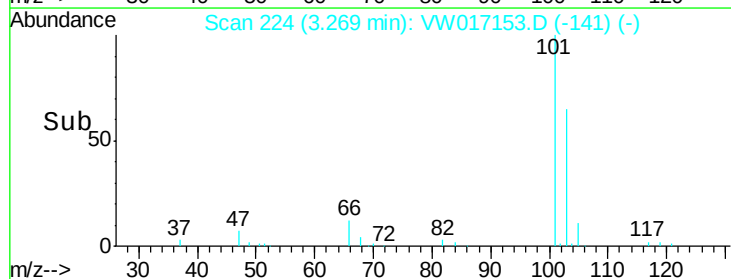
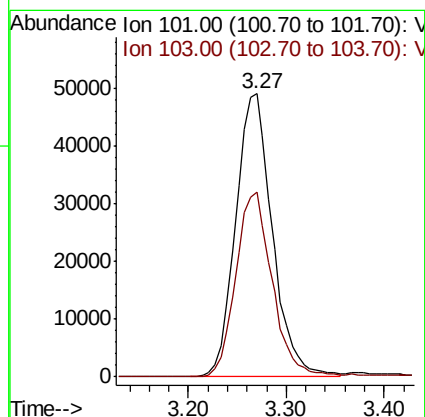
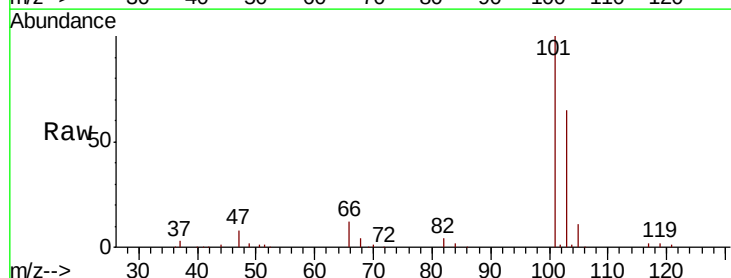
Acq: 11 Nov 2020 09:55

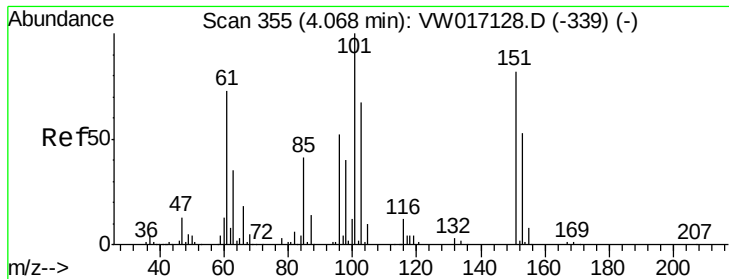
Tgt Ion: 101 Resp: 128027

Ion Ratio Lower Upper

101 100

103 64.8 45.4 84.2





#11

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

Concen: 22.826 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

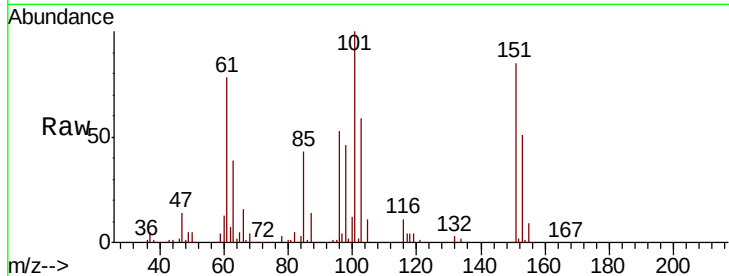
Tot Ion:101 Resp: 140806

Ion Ratio Lower Upper

101 100

85 41.5 32.8 49.2

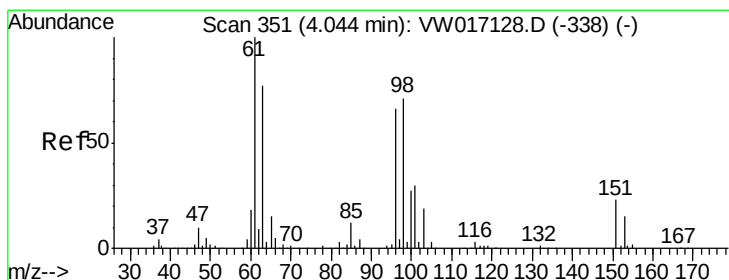
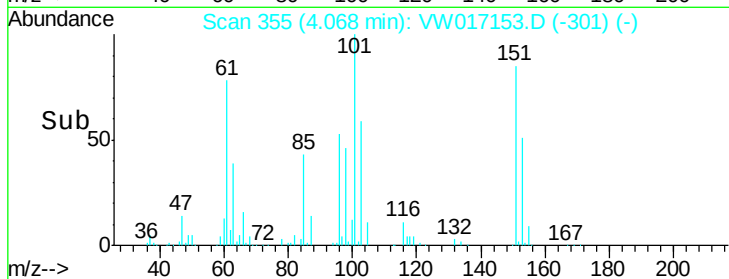
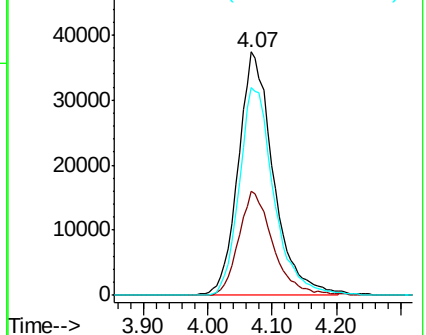
151 83.6 65.4 98.2



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: 21.991 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

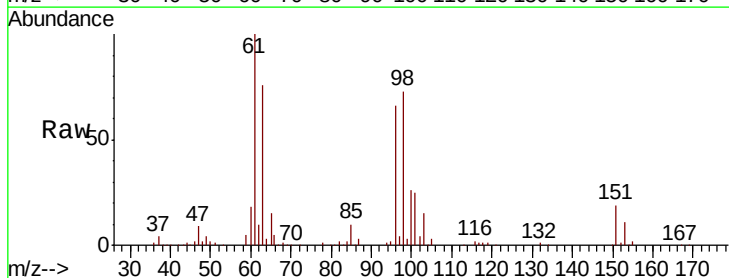
Tgt Ion: 96 Resp: 130442

Ion Ratio Lower Upper

96 100

61 150.6 103.8 192.8

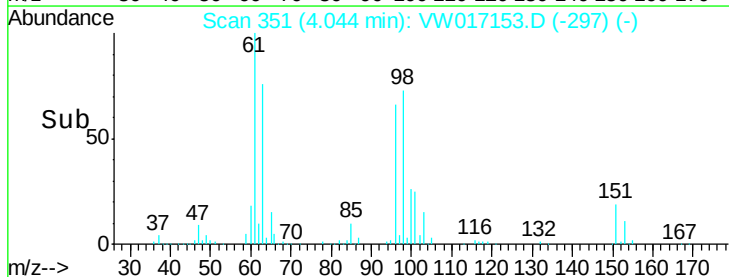
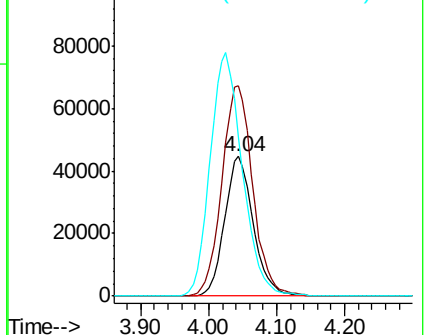
63 114.1 84.4 156.7

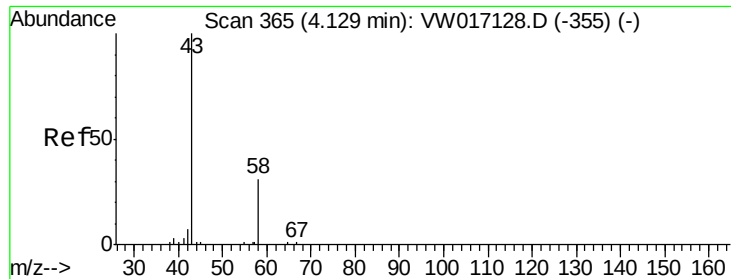


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 38.693 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

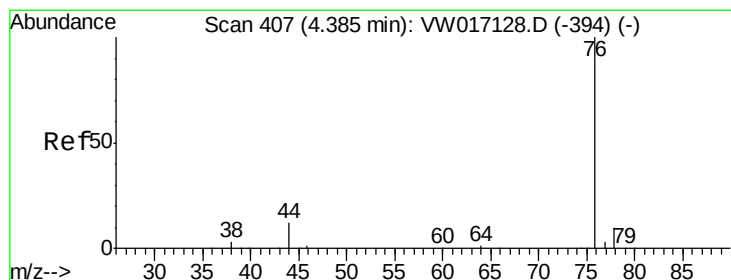
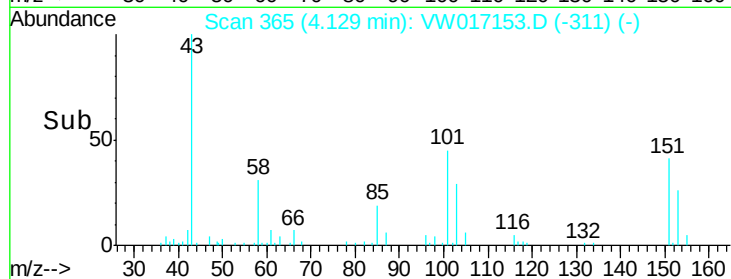
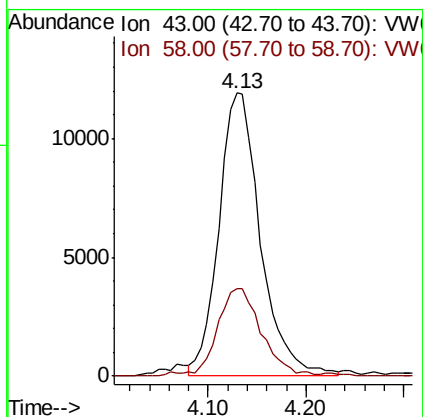
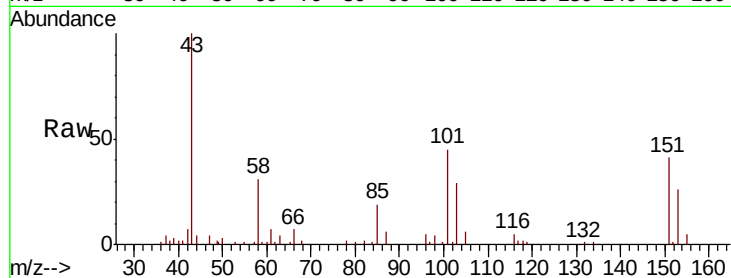
VSTD02522

Tot Ion: 43 Resp: 34875

Ion Ratio Lower Upper

43 100

58 31.0 0.0 69.2



#14

Carbon disulfide

Concen: 20.267 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW017153.D

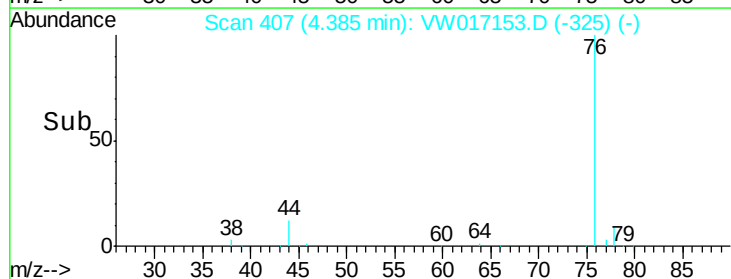
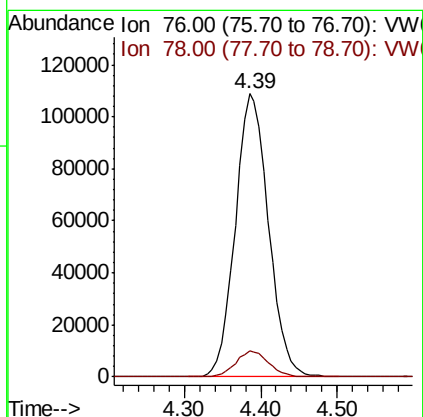
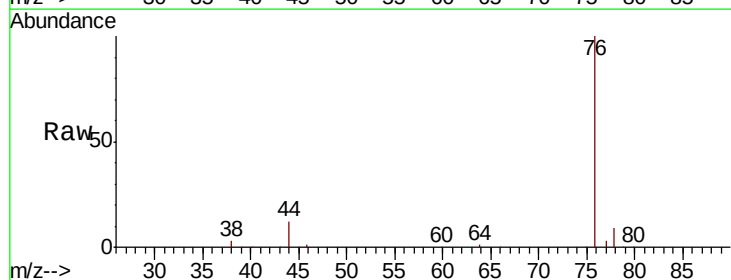
Acq: 11 Nov 2020 09:55

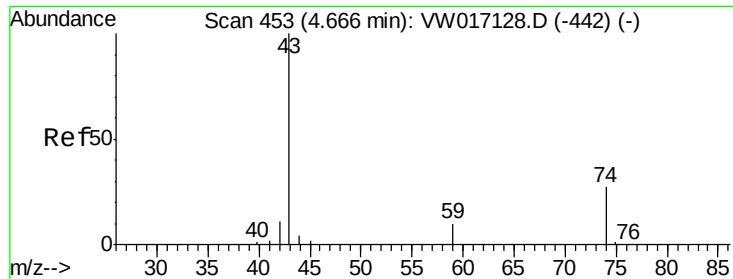
Tgt Ion: 76 Resp: 327152

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

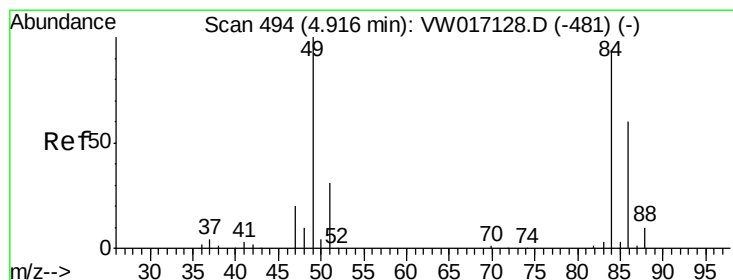
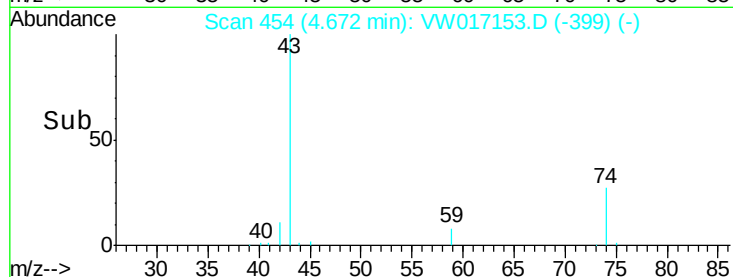
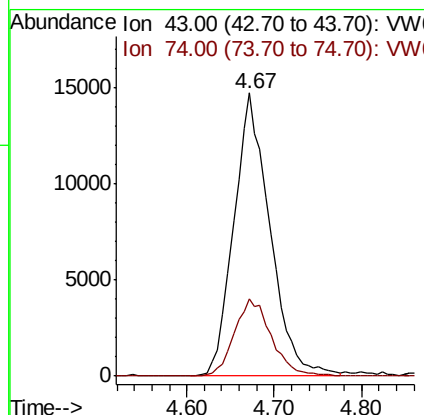
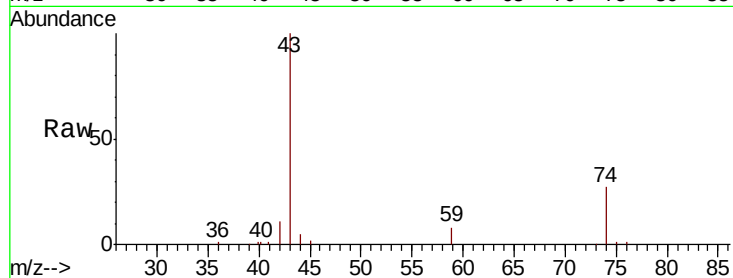




#15
Methvl Acetate
Concen: 18.932 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW017153.D
Acq: 11 Nov 2020 09:55

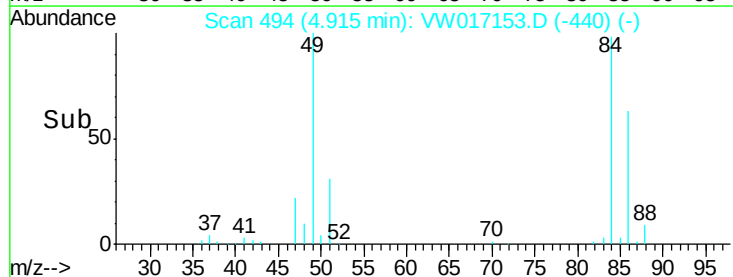
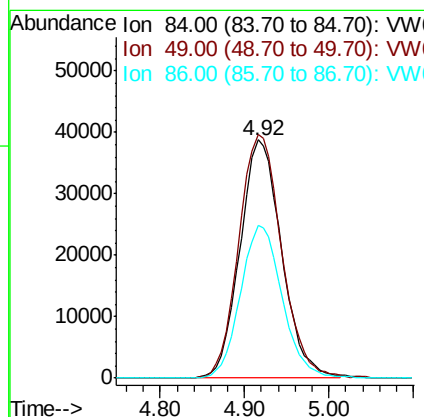
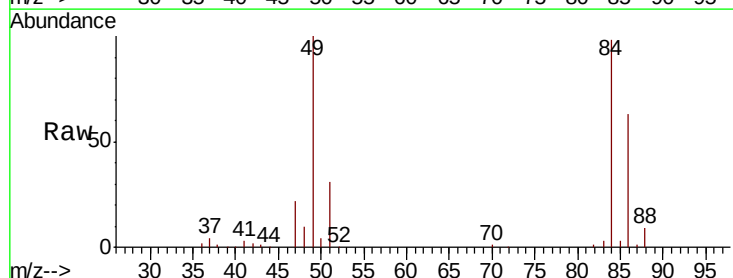
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

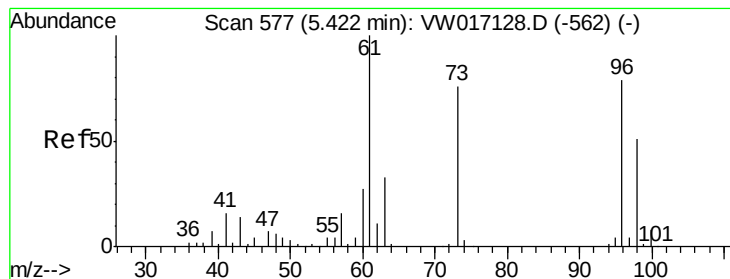
Tot Ion: 43 Resp: 42295
Ion Ratio Lower Upper
43 100
74 27.7 21.5 32.3



#16
Methylene chloride
Concen: 20.209 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW017153.D
Acq: 11 Nov 2020 09:55

Tgt Ion: 84 Resp: 130210
Ion Ratio Lower Upper
84 100
49 102.4 72.3 134.3
86 64.4 45.1 83.7





#17

Methyl tert-butyl Ether

Concen: 22.023 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

Instrument :

MSVOA_W

ClientSampled :

VSTD02522

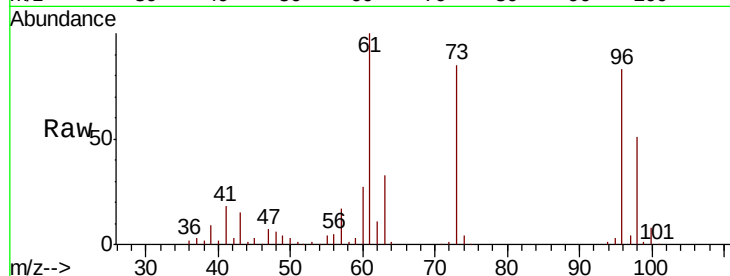
Tot Ion: 73 Resp: 159512

Ion Ratio Lower Upper

73 100

43 18.7 14.5 21.7

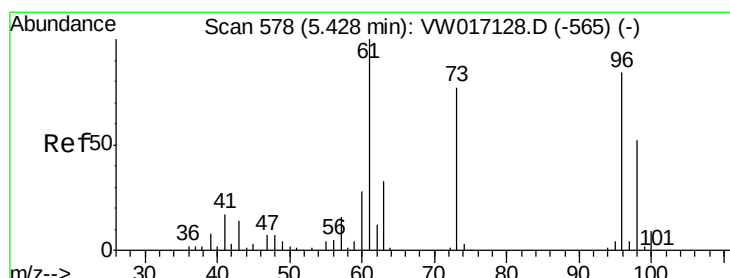
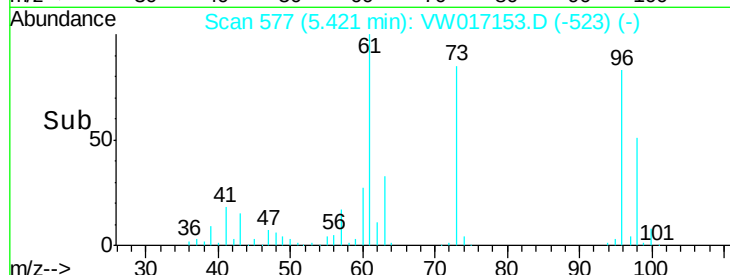
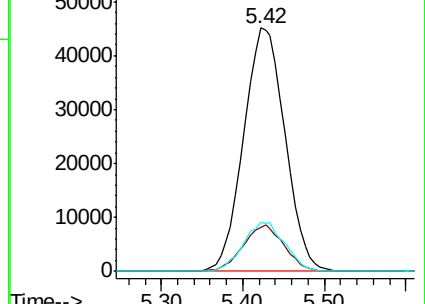
57 20.2 16.3 24.5



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: 21.823 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

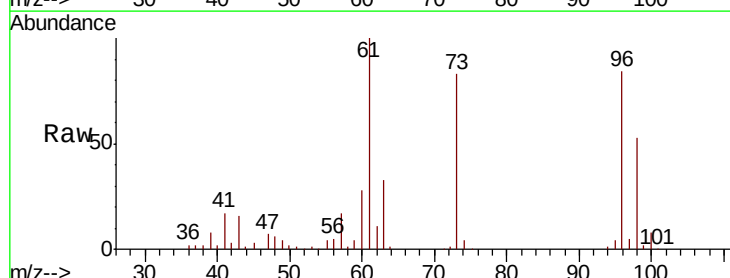
Tgt Ion: 96 Resp: 133994

Ion Ratio Lower Upper

96 100

61 119.0 86.8 161.2

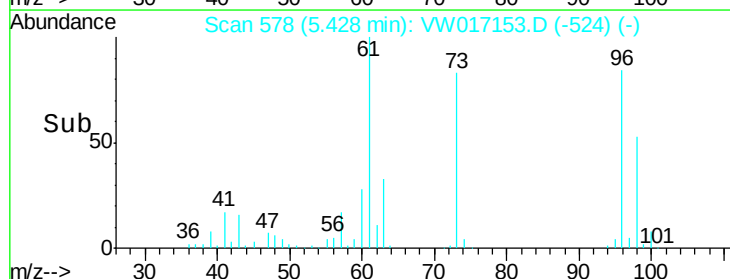
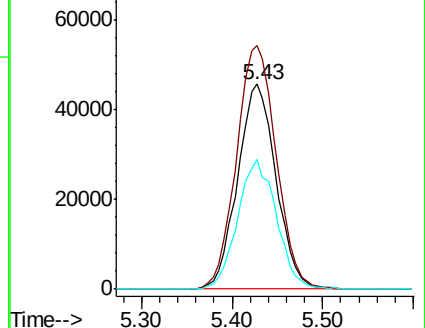
98 63.3 44.4 82.4

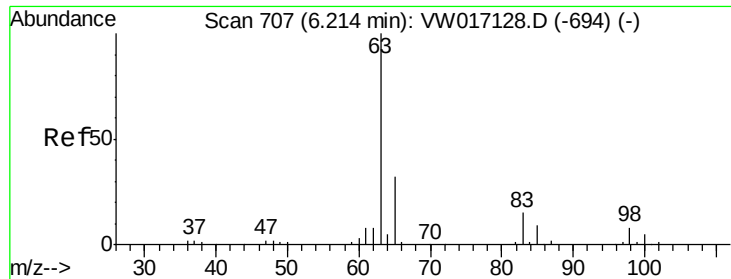


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

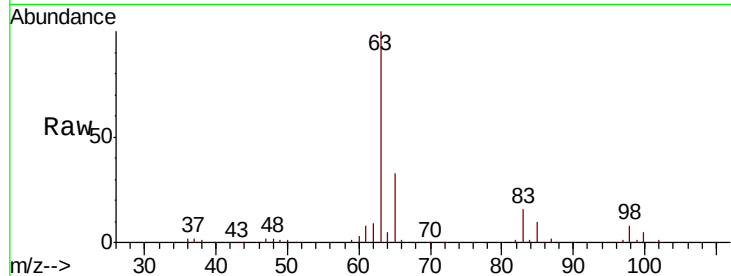




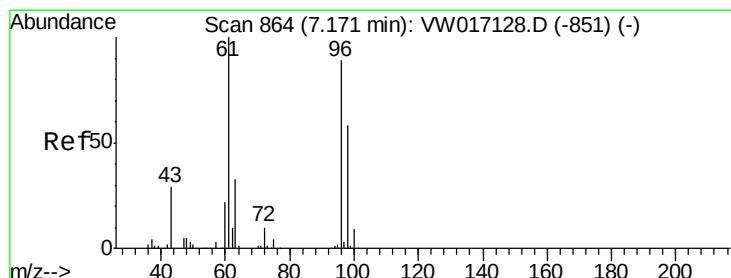
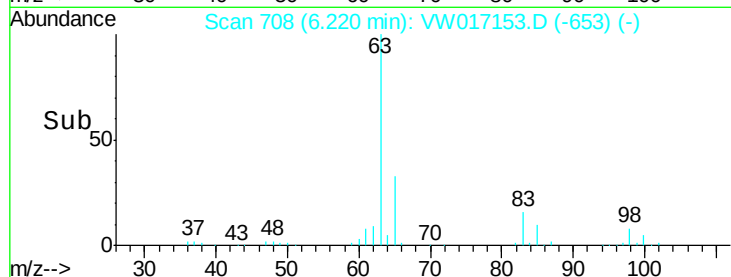
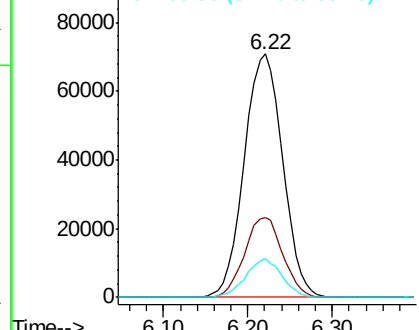
#19
 1,1-Dichloroethane
 Concen: 22.606 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW017153.D
 Acq: 11 Nov 2020 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Tot Ion: 63 Resp: 219904
 Ion Ratio Lower Upper
 63 100
 65 32.8 22.1 41.1
 83 15.8 10.0 18.6

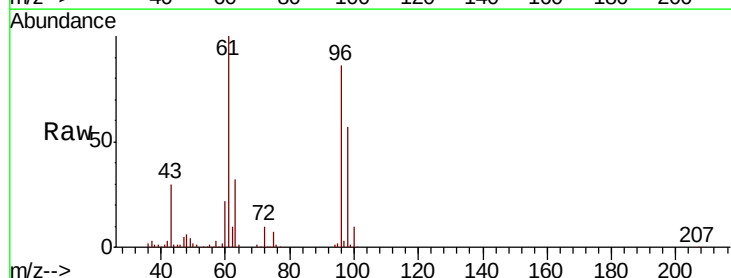


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

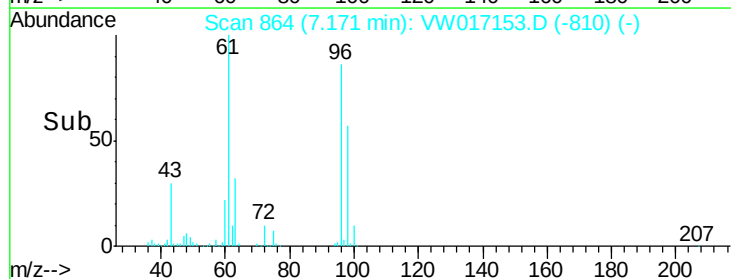
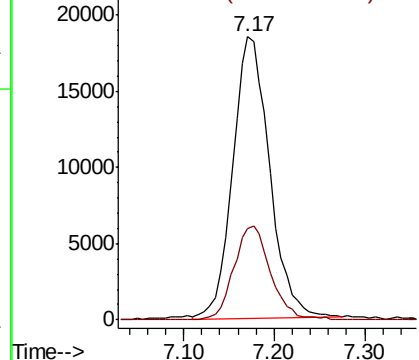


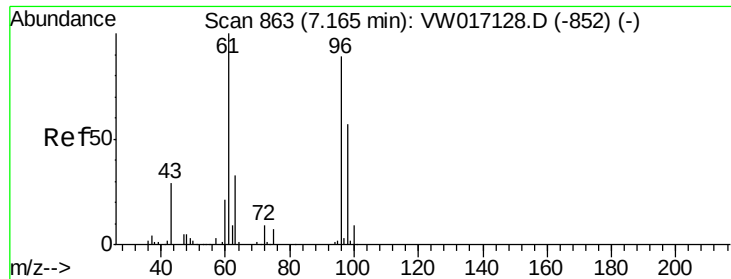
#21
 2-Butanone
 Concen: 35.987 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017153.D
 Acq: 11 Nov 2020 09:55

Tgt Ion: 43 Resp: 52082
 Ion Ratio Lower Upper
 43 100
 72 33.2 16.1 48.3



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



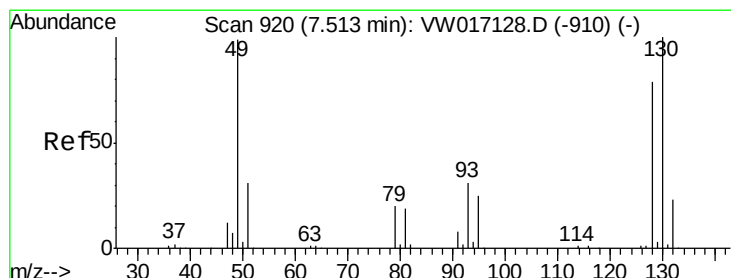
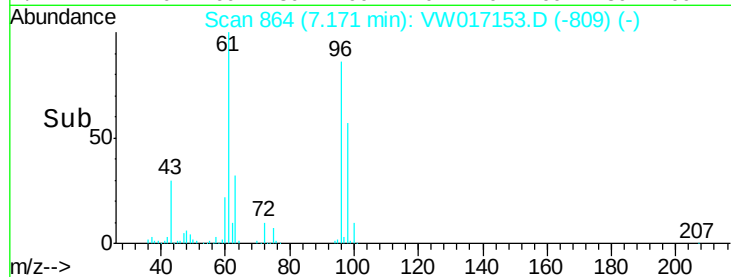
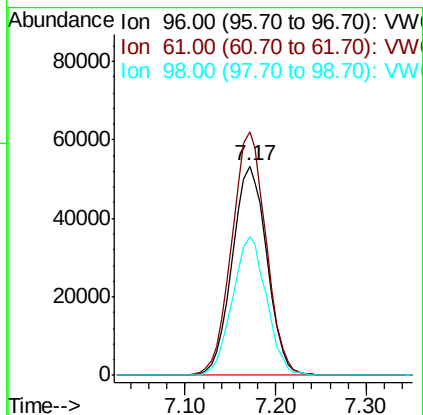
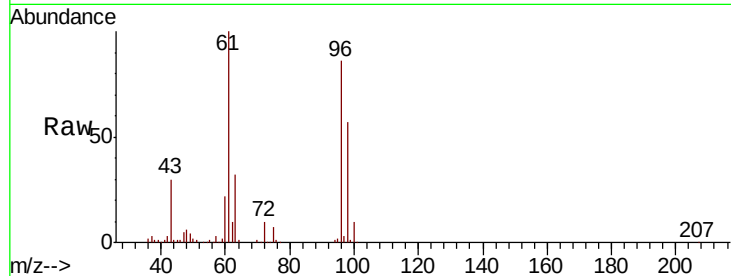


#22

cis-1,2-Dichloroethene
 Concen: 21.856 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW017153.D
 Acq: 11 Nov 2020 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

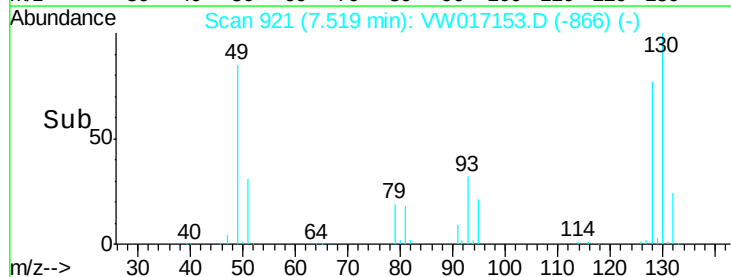
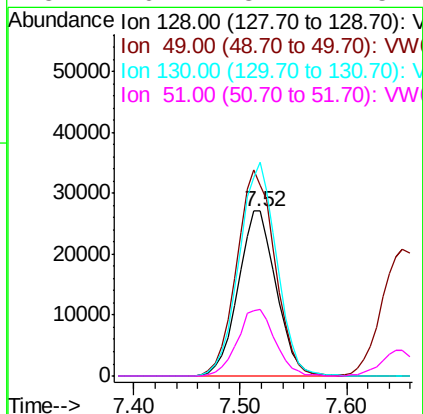
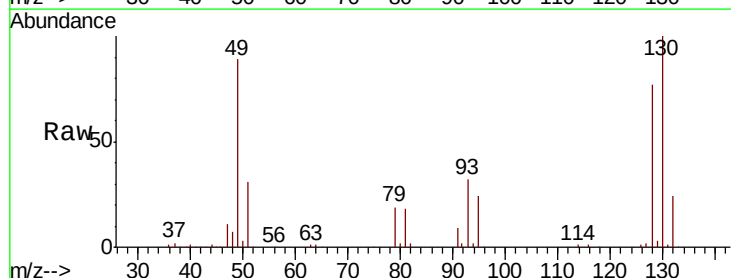
Tot Ion: 96 Resp: 141890
 Ion Ratio Lower Upper
 96 100
 61 116.2 77.4 143.8
 98 66.4 45.1 83.7

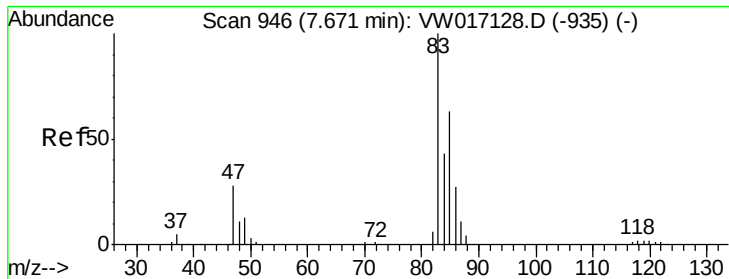


#23

Bromochloromethane
 Concen: 21.751 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW017153.D
 Acq: 11 Nov 2020 09:55

Tgt Ion: 128 Resp: 67985
 Ion Ratio Lower Upper
 128 100
 49 115.5 88.3 163.9
 130 129.4 95.6 177.6
 51 40.4 32.2 48.4

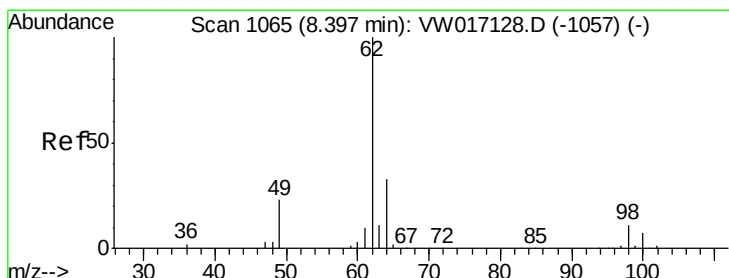
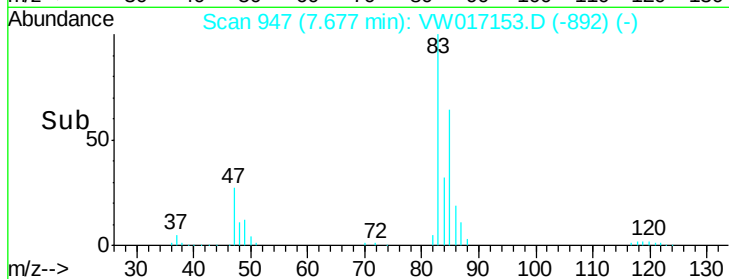
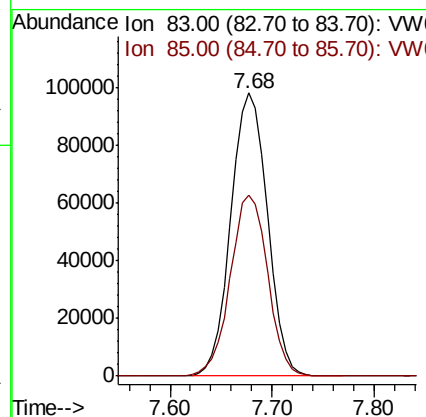
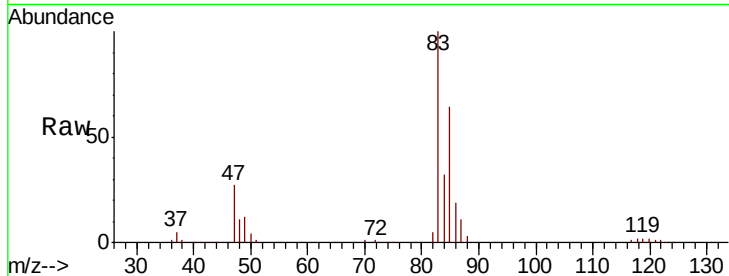




#25
Chloroform
Concen: 23.095 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW017153.D
Acq: 11 Nov 2020 09:55

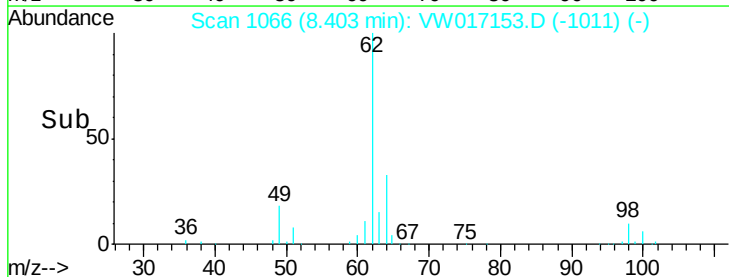
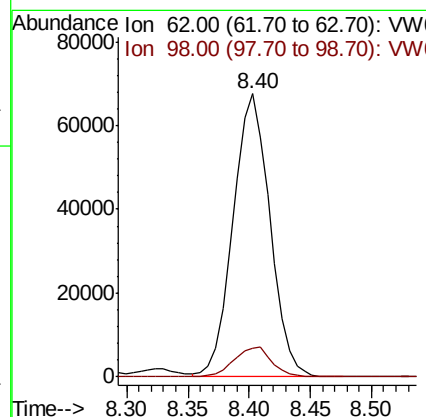
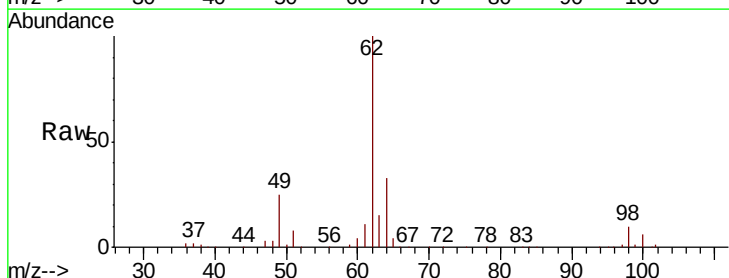
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

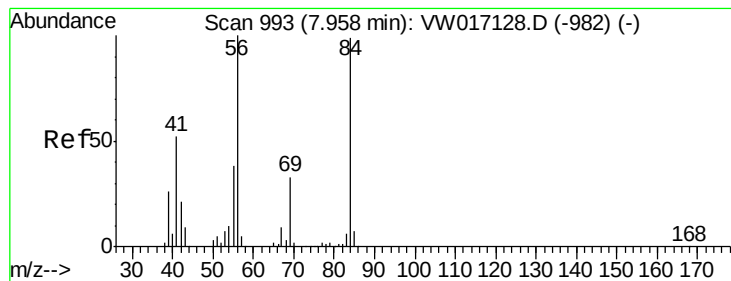
Tot Ion: 83 Resp: 244598
Ion Ratio Lower Upper
83 100
85 65.2 46.4 86.2



#27
1,2-Dichloroethane
Concen: 22.289 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW017153.D
Acq: 11 Nov 2020 09:55

Tgt Ion: 62 Resp: 141464
Ion Ratio Lower Upper
62 100
98 10.3 9.4 14.0





#30

Cyclohexane

Concen: 21.937 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

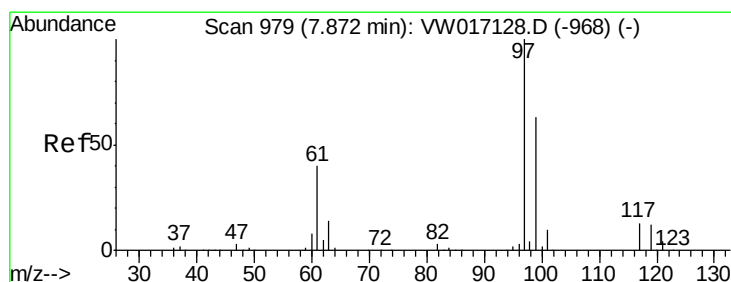
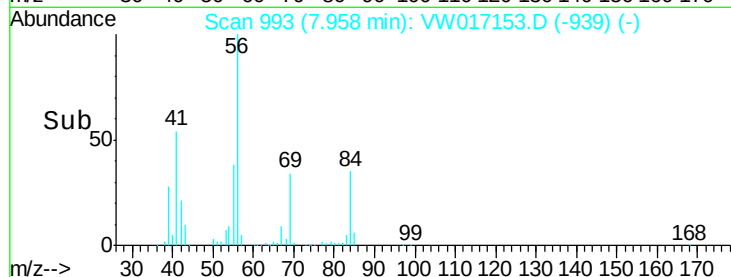
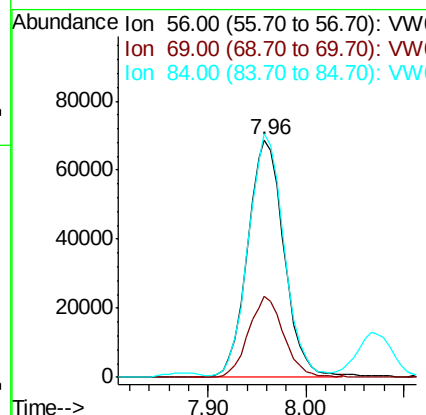
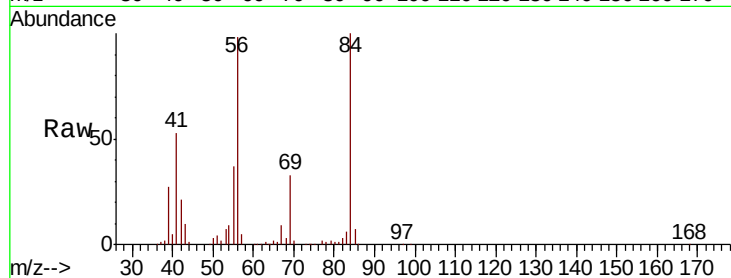
Tot Ion: 56 Resp: 177985

Ion Ratio Lower Upper

56 100

69 33.0 26.1 39.1

84 101.0 79.1 118.7



#31

1,1,1-Trichloroethane

Concen: 24.469 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

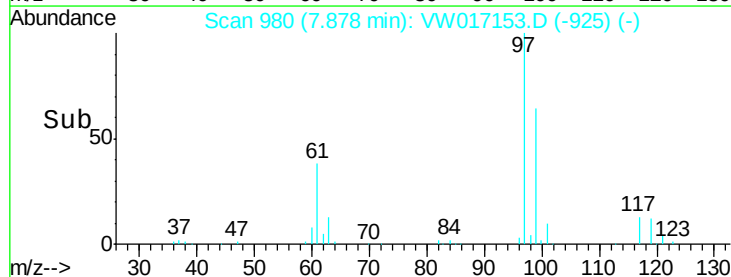
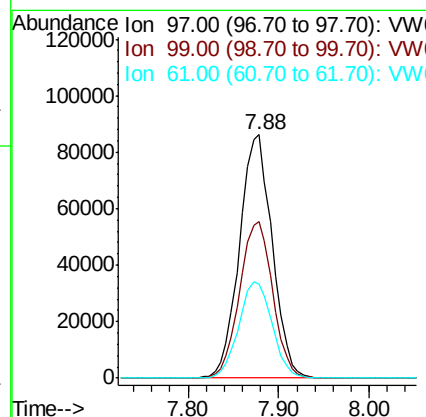
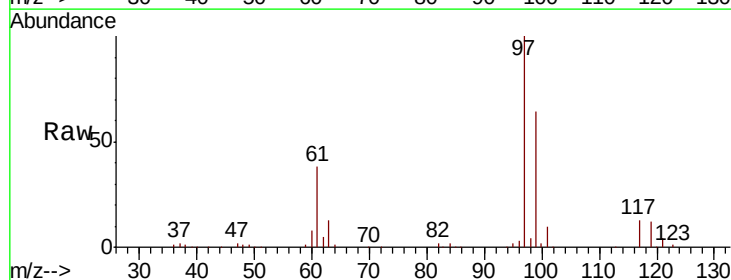
Tgt Ion: 97 Resp: 215924

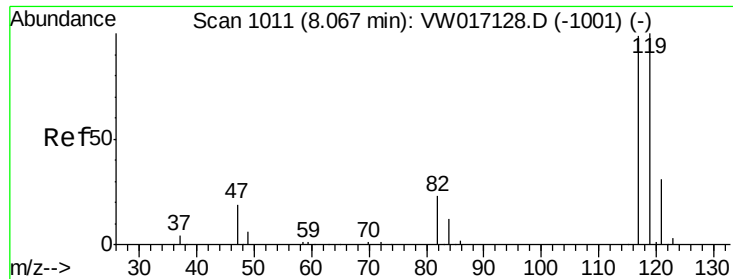
Ion Ratio Lower Upper

97 100

99 65.0 51.4 77.0

61 40.4 31.6 47.4





#32

Carbon tetrachloride

Concen: 24.247 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

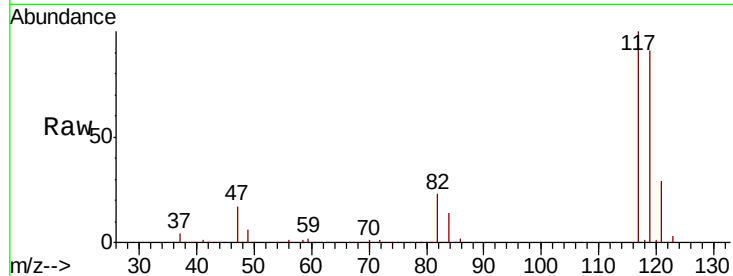
VSTD02522

Tot Ion:117 Resp: 206467

Ion Ratio Lower Upper

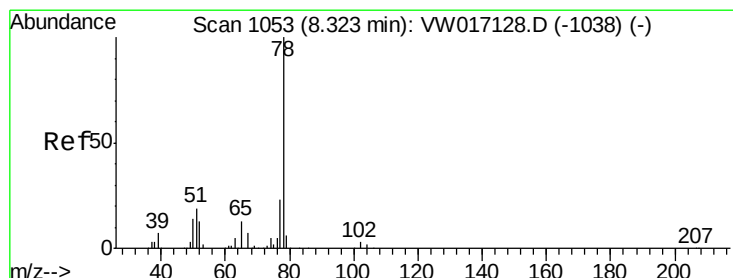
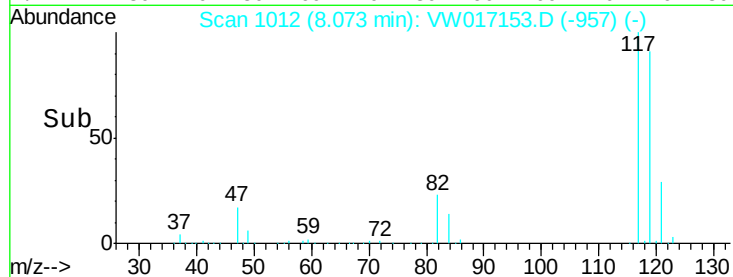
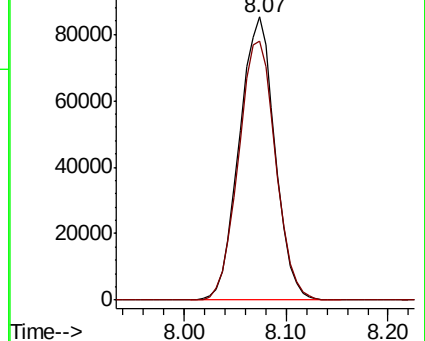
117 100

119 95.2 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: 22.571 ug/L

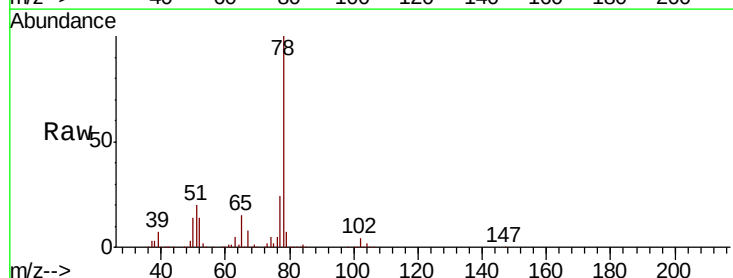
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

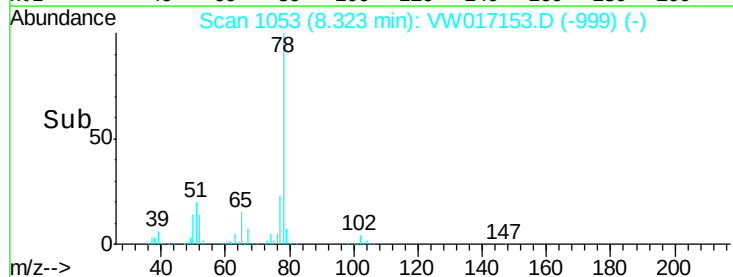
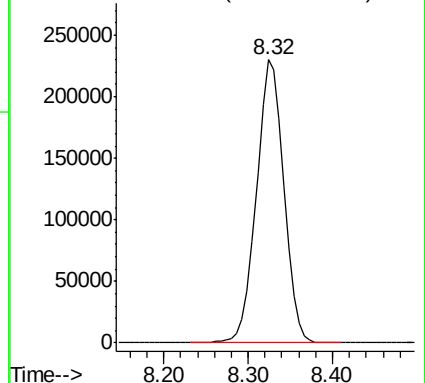
Lab File: VW017153.D

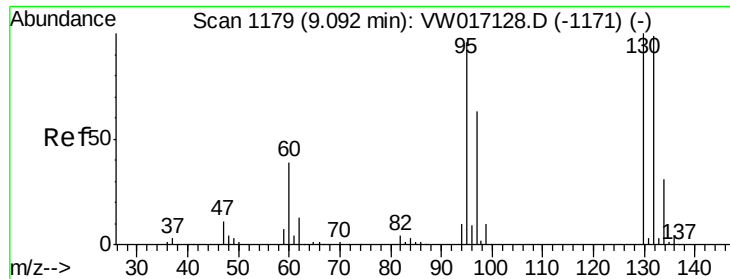
Acq: 11 Nov 2020 09:55

Tgt Ion: 78 Resp: 510721



Abundance Ion 78.00 (77.70 to 78.70): VW

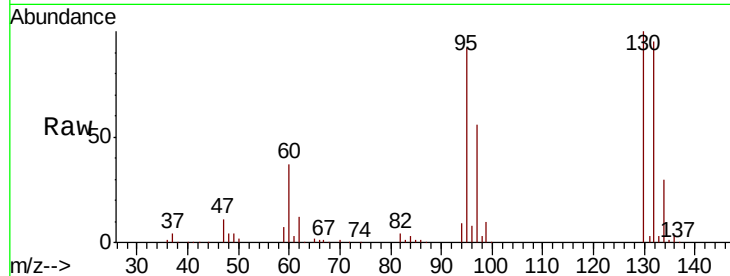




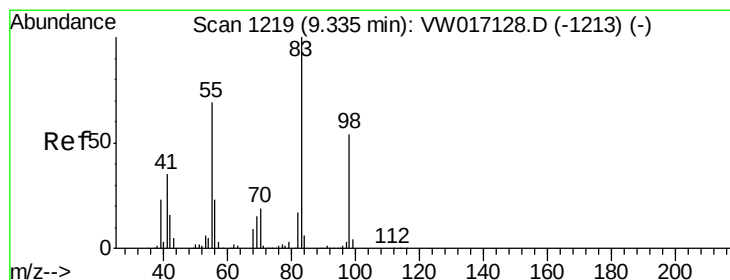
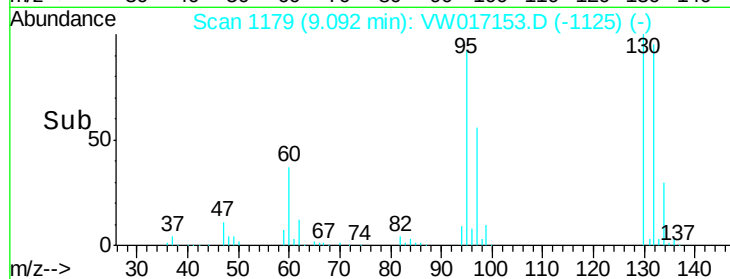
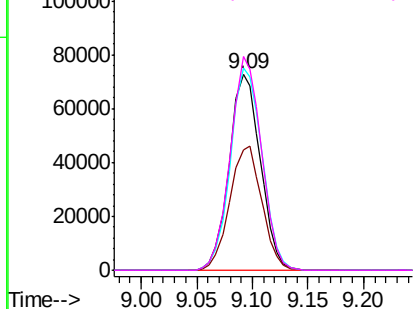
#35
 Trichloroethene
 Concen: 22.330 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017153.D
 Acq: 11 Nov 2020 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Tot Ion:	95	Resp:	141537
Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.0	83.6
132	104.9	73.7	136.9
130	108.7	77.1	143.1

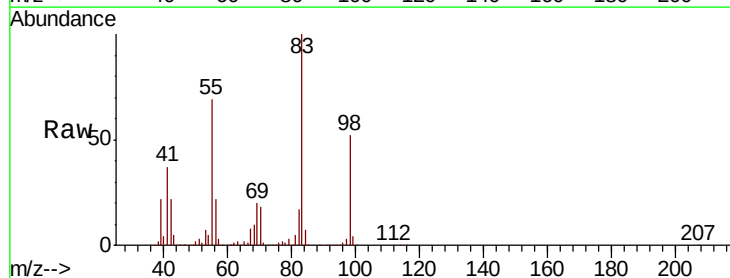


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

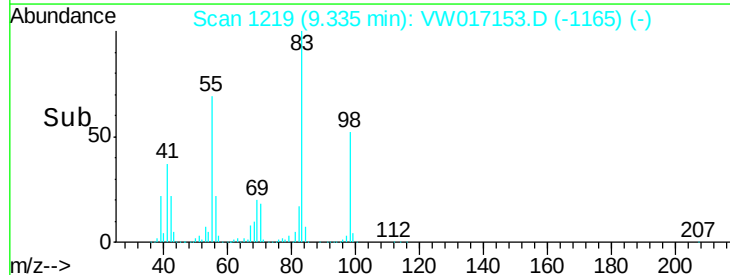
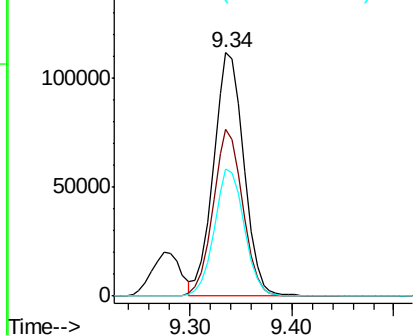


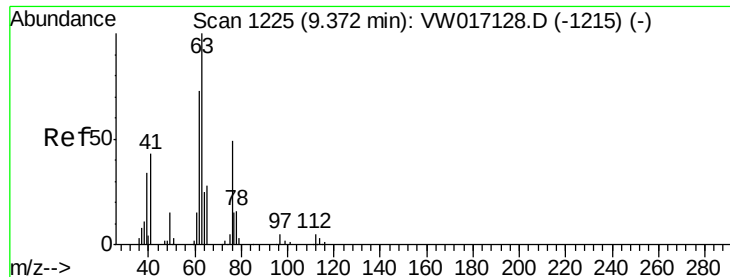
#36
 Methylcyclohexane
 Concen: 22.751 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW017153.D
 Acq: 11 Nov 2020 09:55

Tgt Ion:	83	Resp:	232048
Ion	Ratio	Lower	Upper
83	100		
55	66.9	54.4	81.6
98	51.4	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: 22.279 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

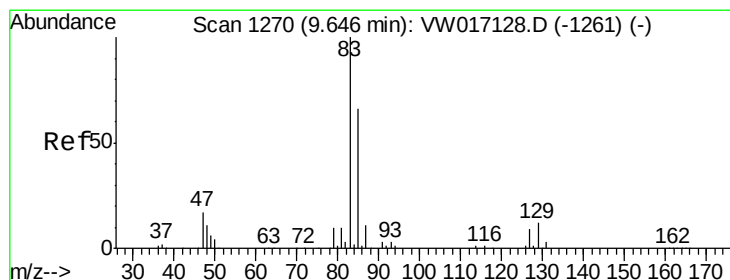
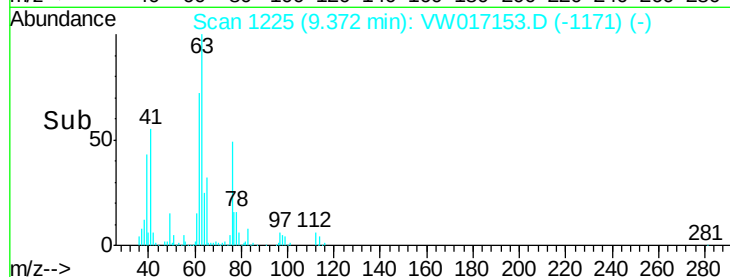
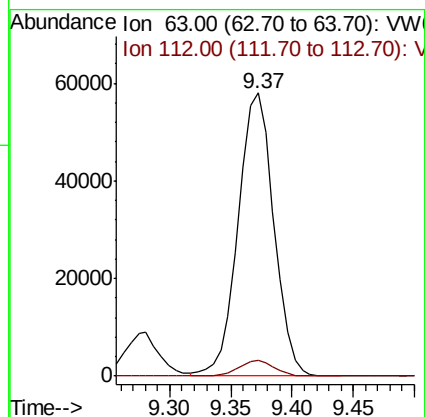
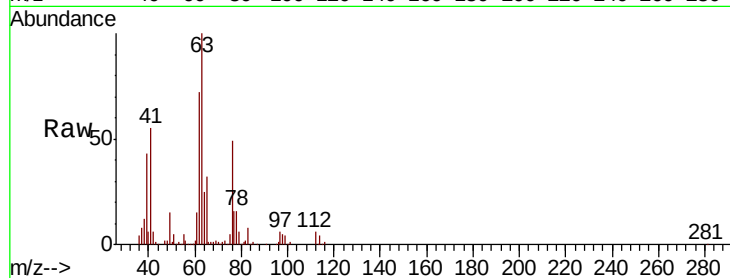
VSTD02522

Tot Ion: 63 Resp: 117841

Ion Ratio Lower Upper

63 100

112 5.7 4.2 6.2



#41

Bromodichloromethane

Concen: 23.464 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

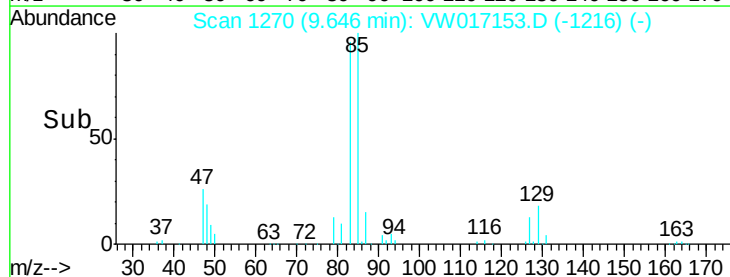
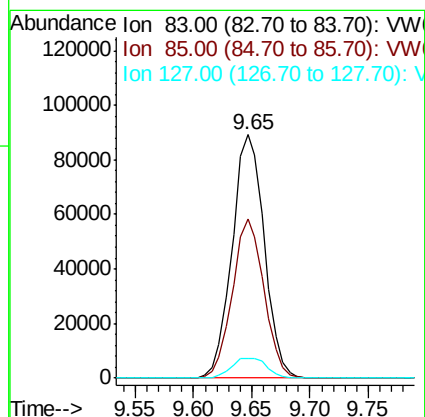
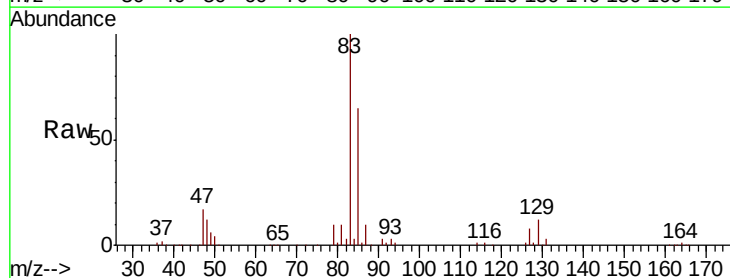
Tgt Ion: 83 Resp: 171648

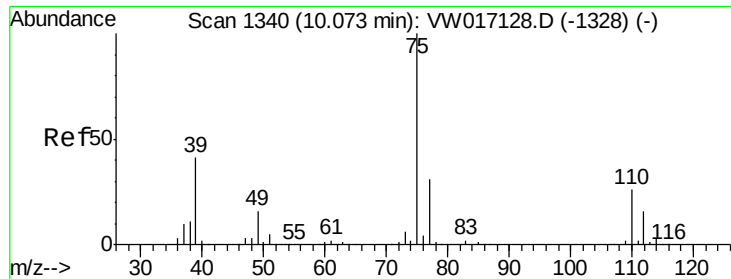
Ion Ratio Lower Upper

83 100

85 65.1 44.4 82.4

127 8.3 7.3 10.9

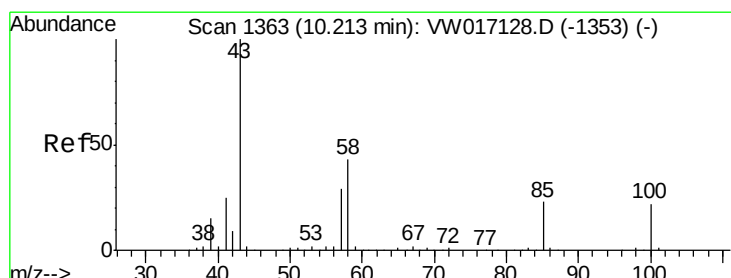
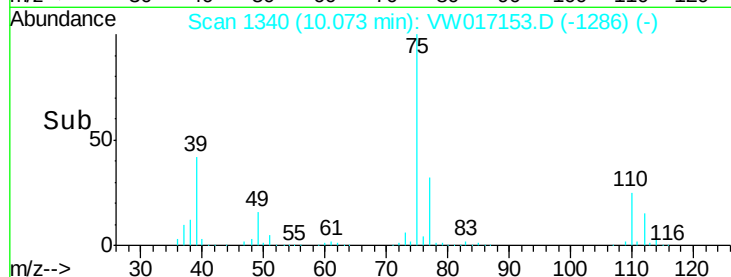
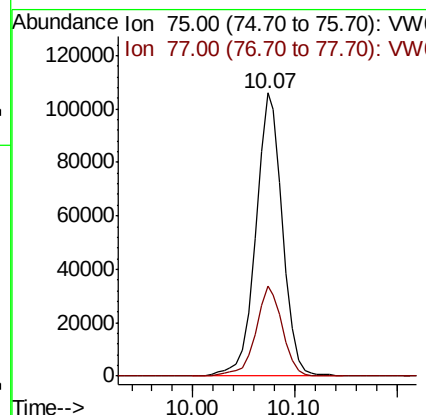
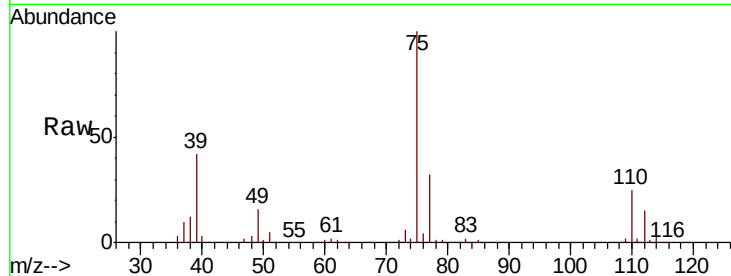




#42
 cis-1,3-Dichloropropene
 Concen: 23.041 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017153.D
 Acq: 11 Nov 2020 09:55

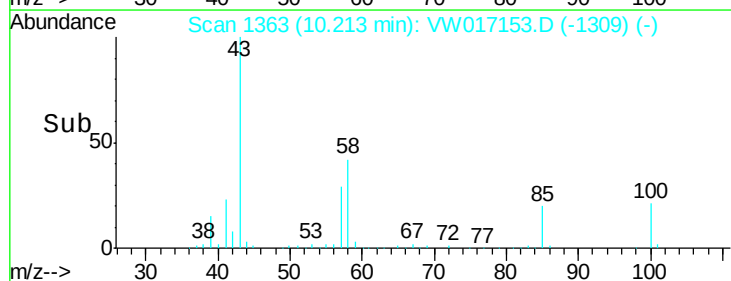
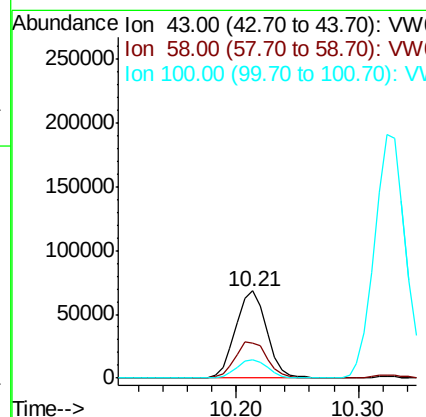
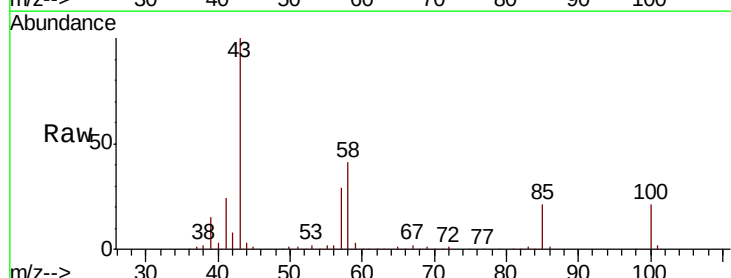
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

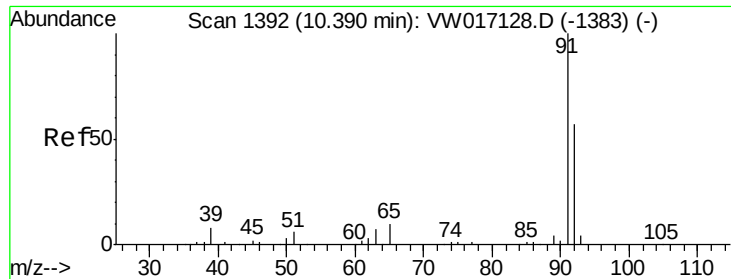
Tot Ion: 75 Resp: 193034
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.0 41.0



#43
 4-Methyl-2-pentanone
 Concen: 37.058 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW017153.D
 Acq: 11 Nov 2020 09:55

Tgt Ion: 43 Resp: 120932
 Ion Ratio Lower Upper
 43 100
 58 42.6 35.0 52.6
 100 20.8 16.6 24.8





#44

Toluene

Concen: 22.992 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

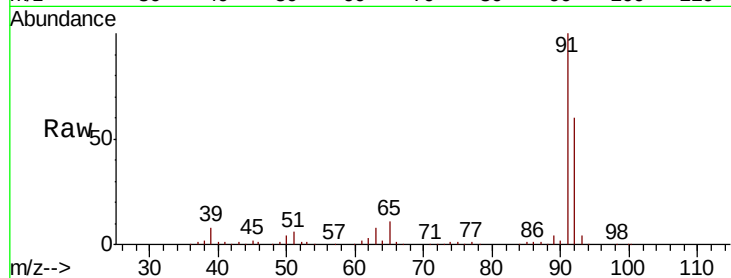
VSTD02522

Tot Ion: 91 Resp: 572655

Ion Ratio Lower Upper

91 100

92 60.0 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

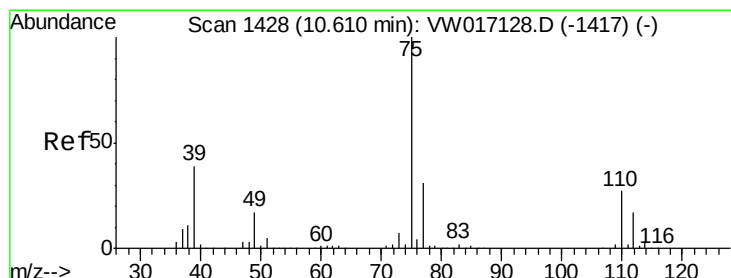
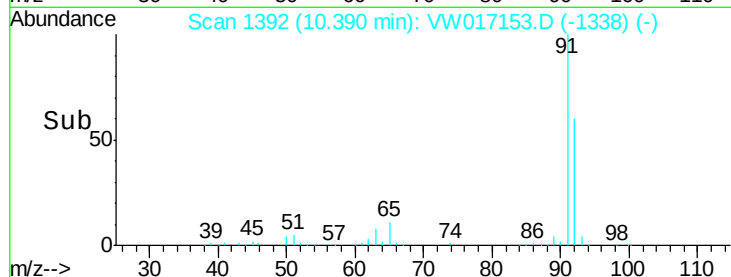
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 23.077 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017153.D

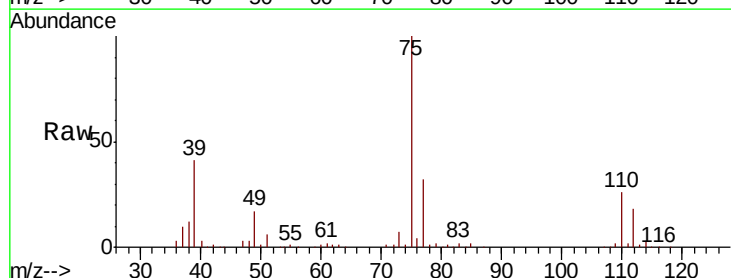
Acq: 11 Nov 2020 09:55

Tgt Ion: 75 Resp: 166035

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

100000

80000

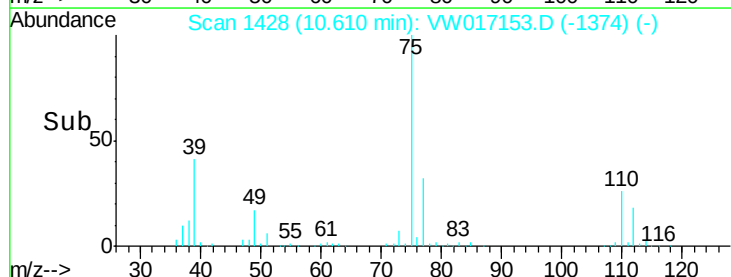
60000

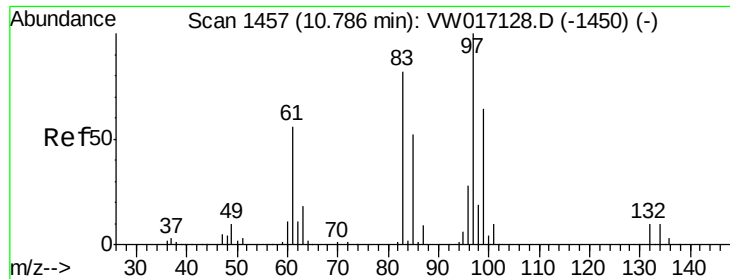
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 21.392 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

Tot Ion: 97 Resp: 97555

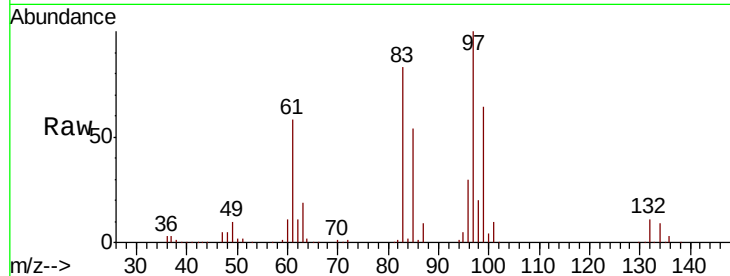
Ion Ratio Lower Upper

97 100

83 83.1 57.3 106.5

85 54.4 37.2 69.0

99 63.5 45.7 84.9



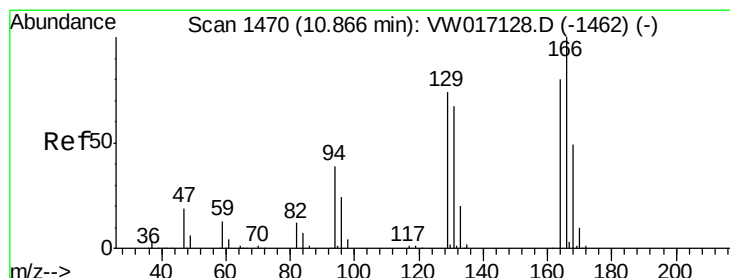
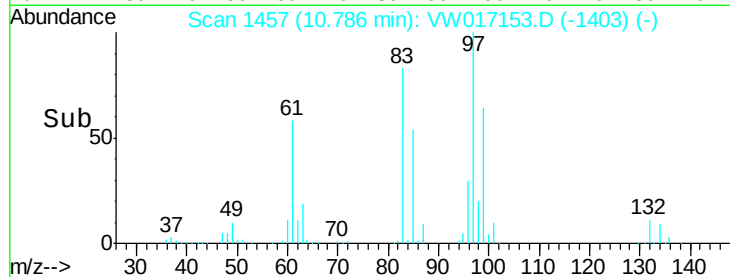
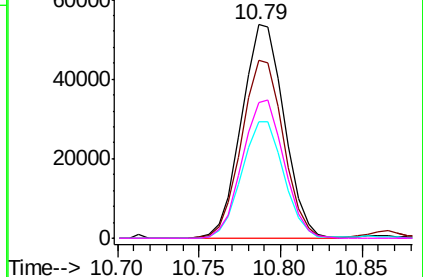
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 22.337 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

Tgt Ion: 164 Resp: 127741

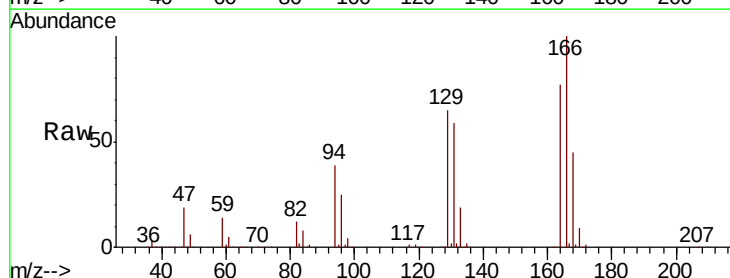
Ion Ratio Lower Upper

164 100

129 84.6 62.9 116.7

131 77.0 63.3 117.5

166 129.4 92.0 170.8



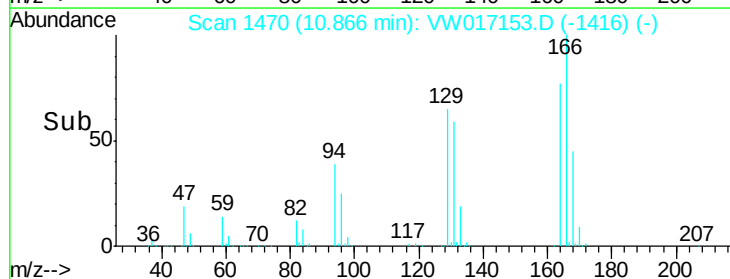
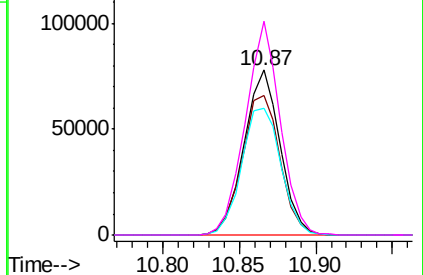
Abundance

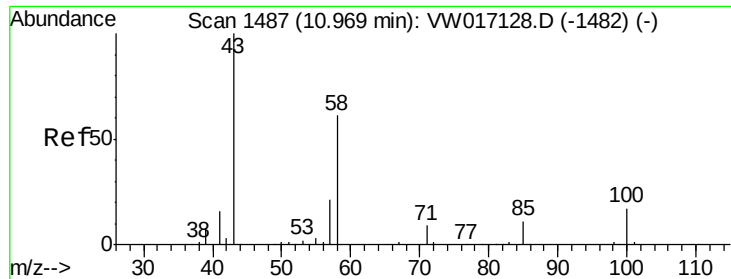
Ion 164.00 (163.70 to 164.70): V

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

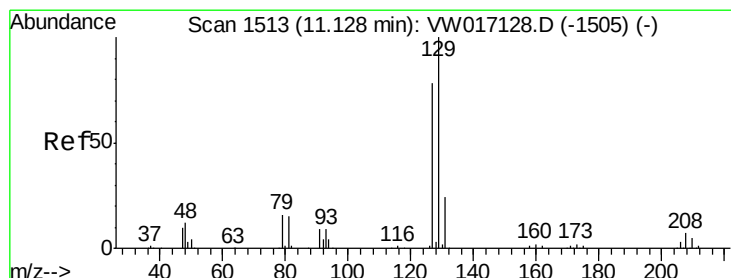
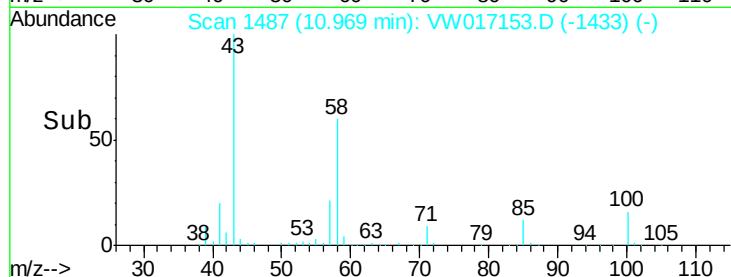
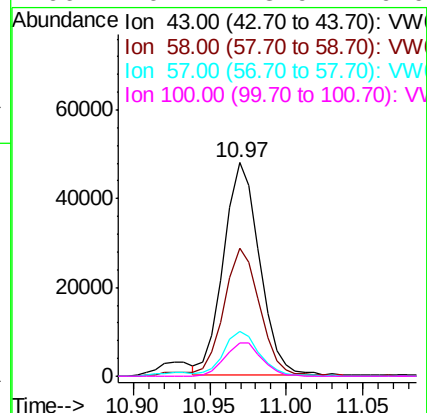
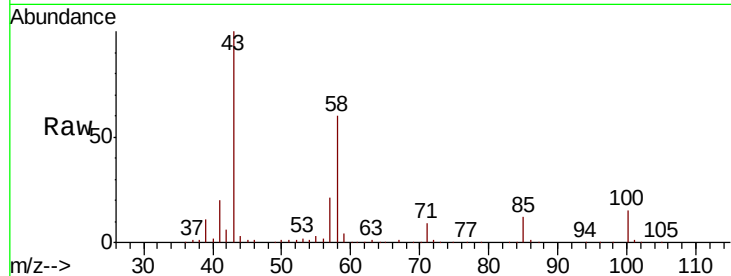




#49
2-Hexanone
Concen: 39.960 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017153.D
Acq: 11 Nov 2020 09:55

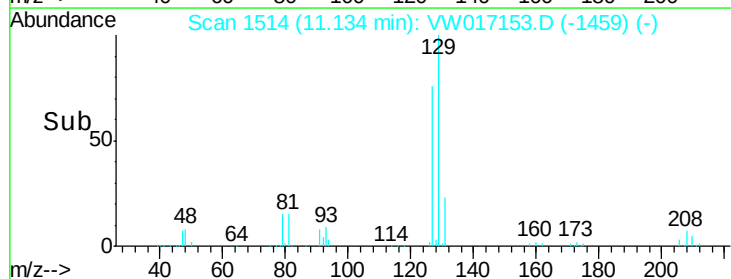
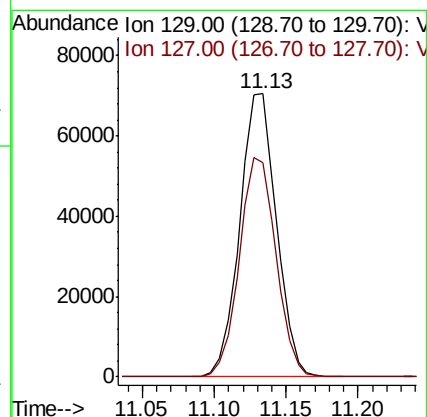
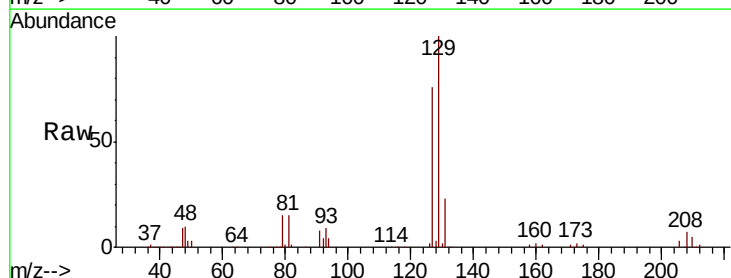
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

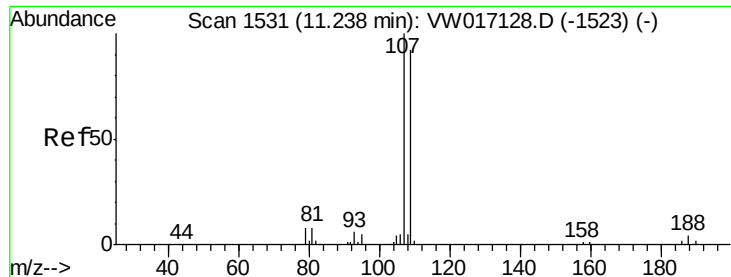
Tot Ion: 43 Resp: 78616
Ion Ratio Lower Upper
43 100
58 60.5 50.6 75.8
57 20.5 17.8 26.6
100 16.1 13.9 20.9



#50
Dibromochloromethane
Concen: 22.498 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW017153.D
Acq: 11 Nov 2020 09:55

Tgt Ion: 129 Resp: 124999
Ion Ratio Lower Upper
129 100
127 75.7 54.3 100.9

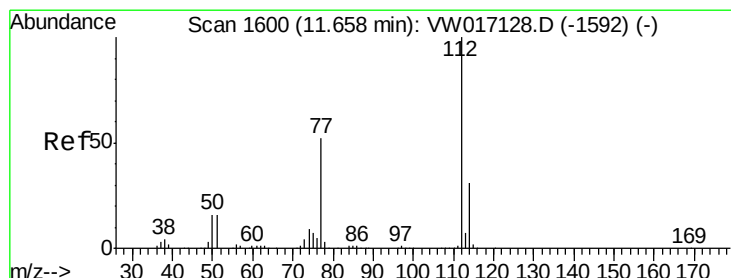
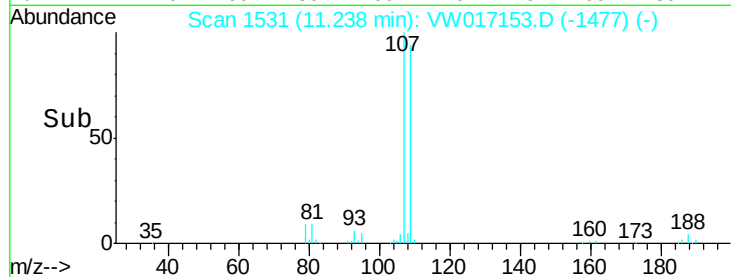
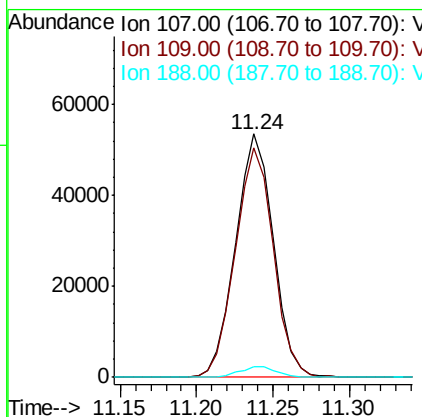
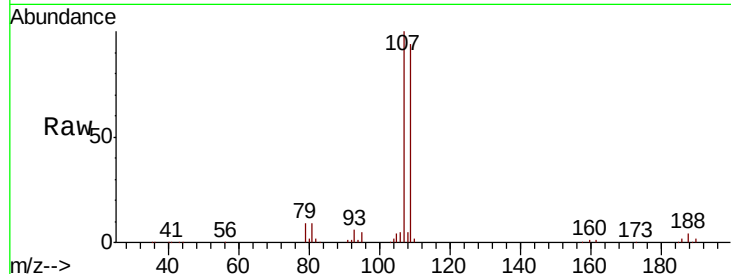




#51
1,2-Dibromoethane
Concen: 20.747 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017153.D
Acq: 11 Nov 2020 09:55

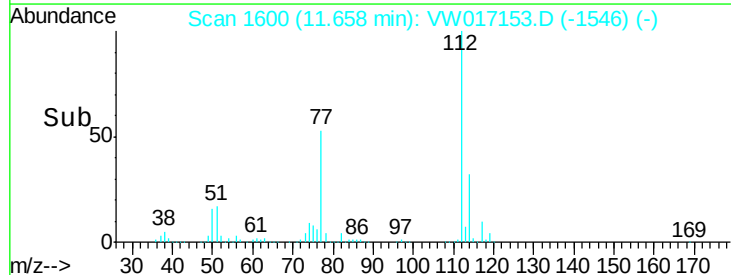
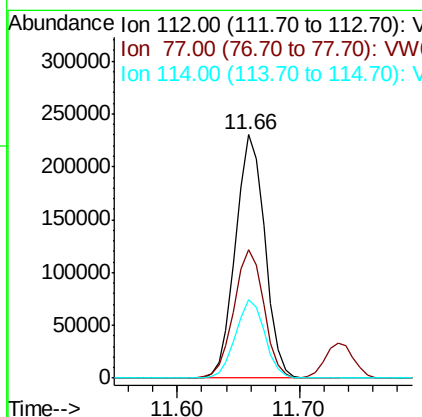
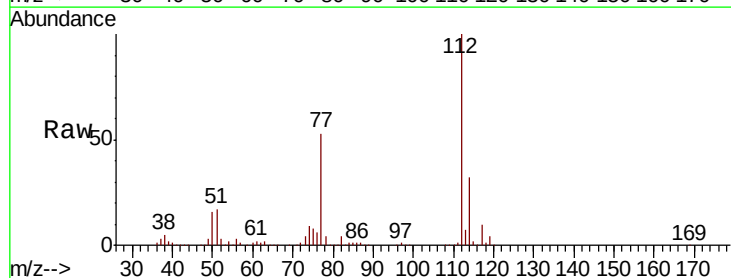
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

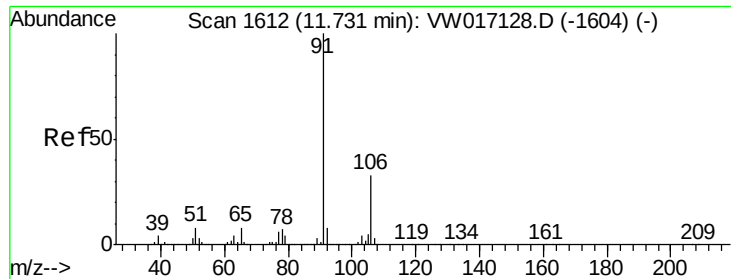
Tot Ion:107 Resp: 91917
Ion Ratio Lower Upper
107 100
109 94.4 64.3 119.5
188 4.3 3.3 4.9



#52
Chlorobenzene
Concen: 22.689 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017153.D
Acq: 11 Nov 2020 09:55

Tgt Ion:112 Resp: 382204
Ion Ratio Lower Upper
112 100
77 52.6 41.7 62.5
114 32.5 22.3 41.3





#53

Ethylbenzene

Concen: 23.532 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

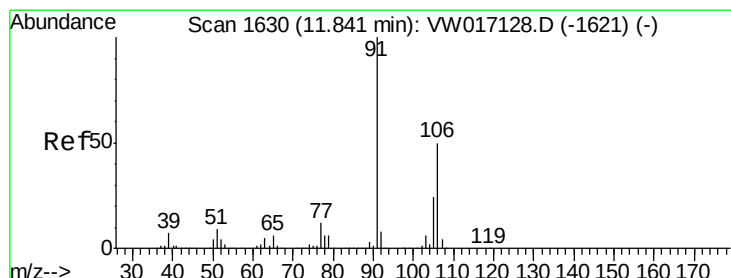
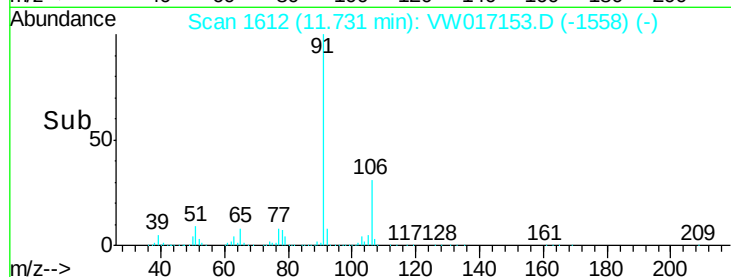
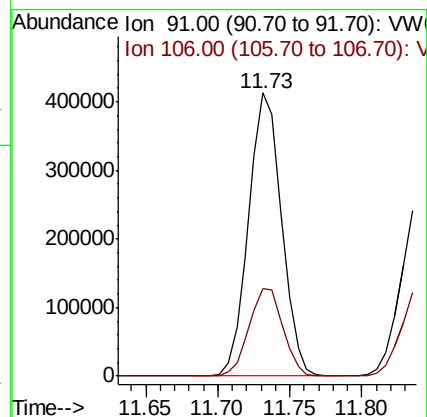
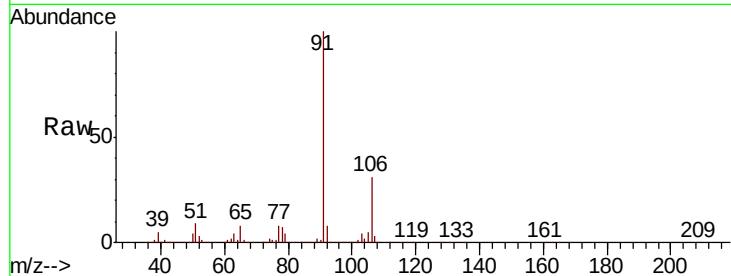
VSTD02522

Tot Ion: 91 Resp: 654656

Ion Ratio Lower Upper

91 100

106 30.8 22.9 42.5



#54

m,p-Xylene

Concen: 23.199 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017153.D

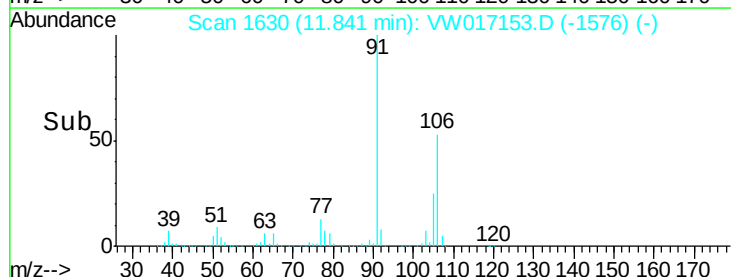
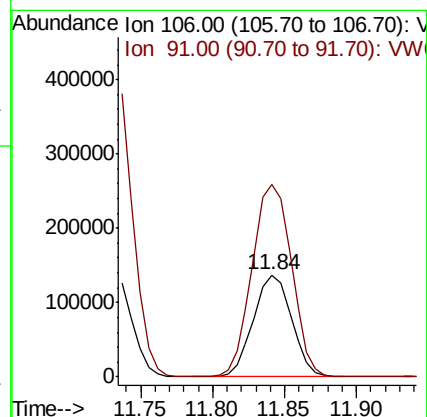
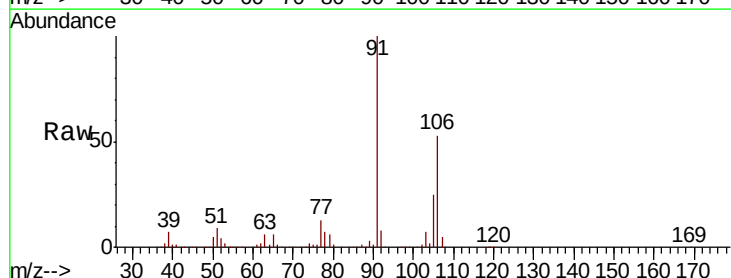
Acq: 11 Nov 2020 09:55

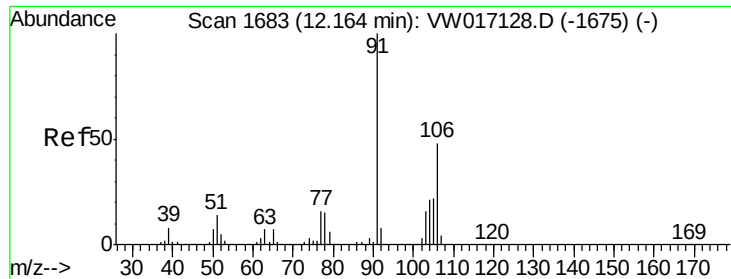
Tgt Ion: 106 Resp: 252458

Ion Ratio Lower Upper

106 100

91 189.1 138.7 257.5

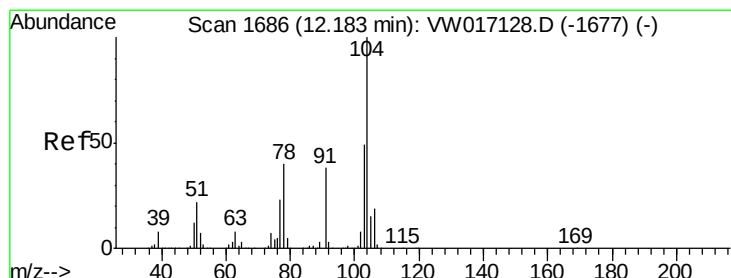
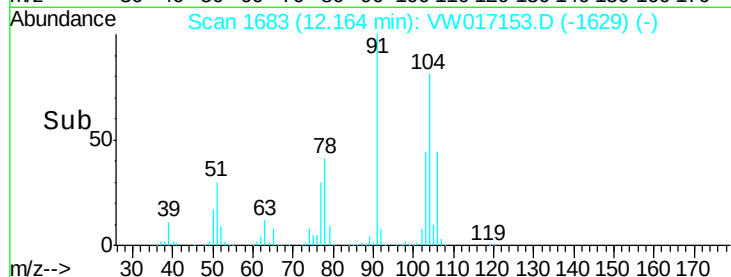
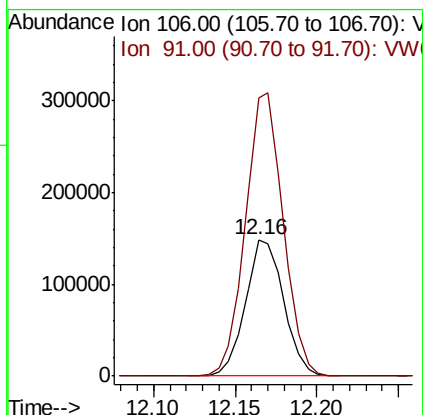
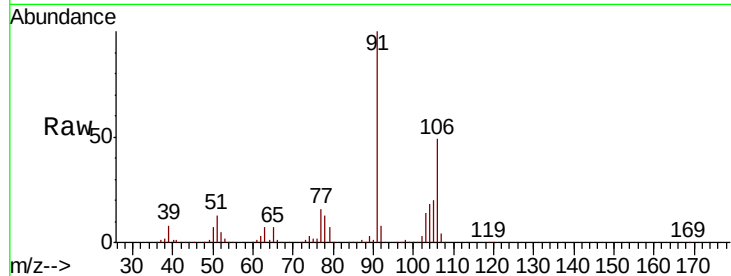




#55
o-xylene
Concen: 23.422 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW017153.D
Acq: 11 Nov 2020 09:55

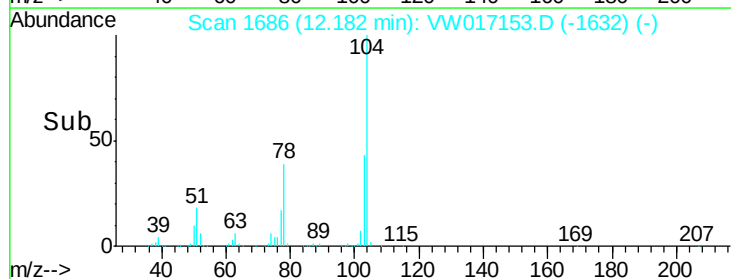
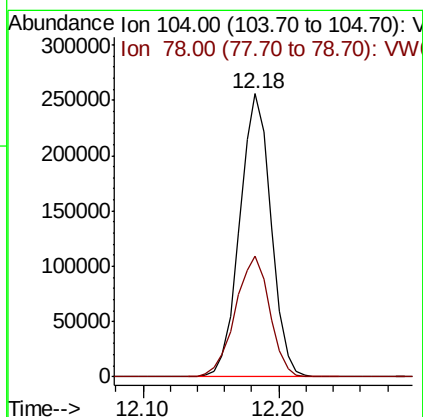
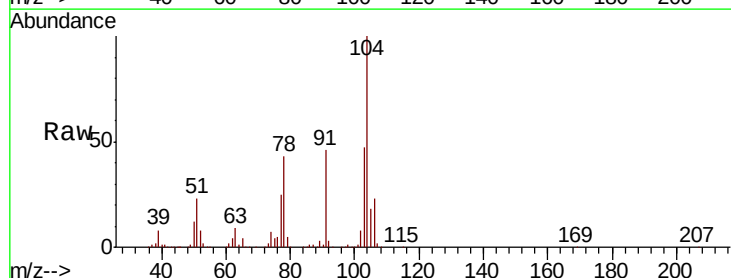
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

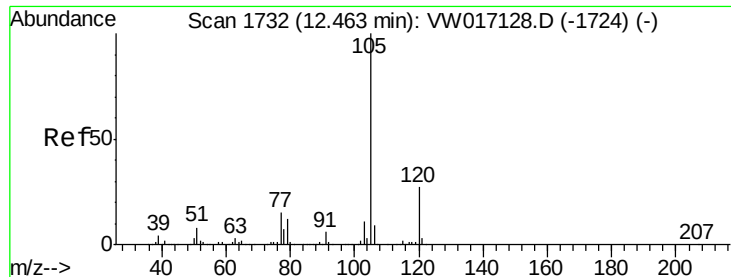
Tot Ion:106 Resp: 241934
Ion Ratio Lower Upper
106 100
91 204.3 140.8 261.4



#56
Styrene
Concen: 23.741 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017153.D
Acq: 11 Nov 2020 09:55

Tgt Ion:104 Resp: 411723
Ion Ratio Lower Upper
104 100
78 42.6 28.2 52.4





#57

Isopropylbenzene

Concen: 24.062 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

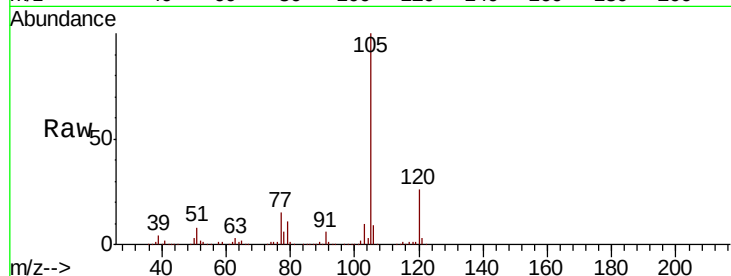
Tot Ion:105 Resp: 674509

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.6

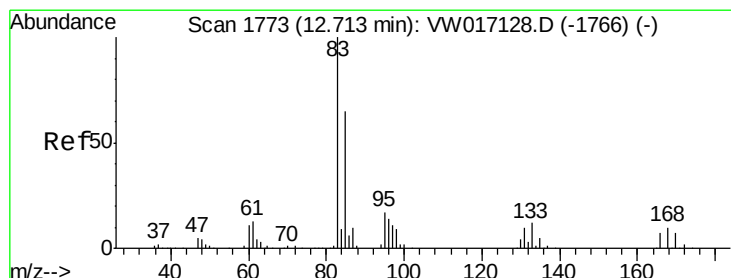
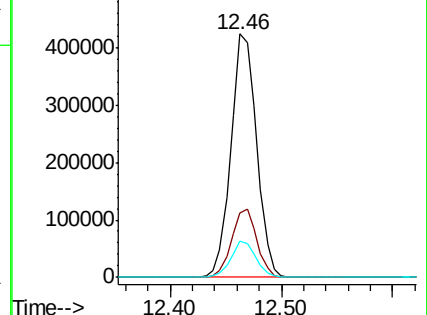
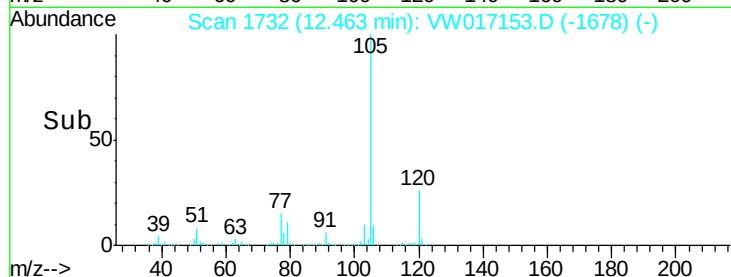
77 14.4 11.4 17.0



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: 20.955 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

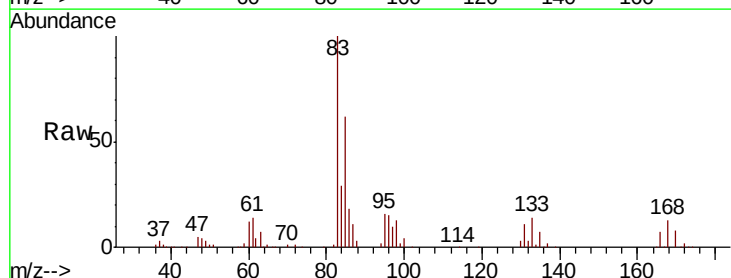
Tgt Ion: 83 Resp: 110396

Ion Ratio Lower Upper

83 100

85 62.4 44.9 83.5

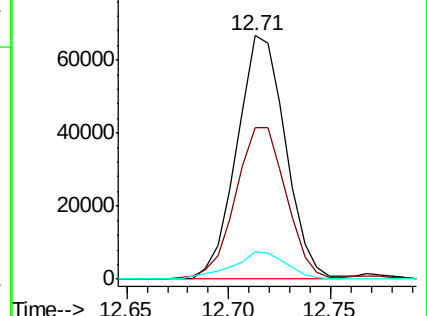
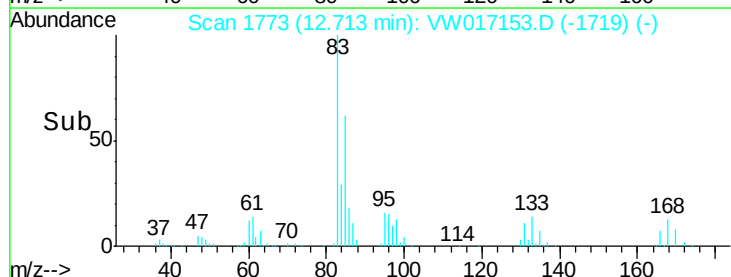
131 11.1 8.8 13.2

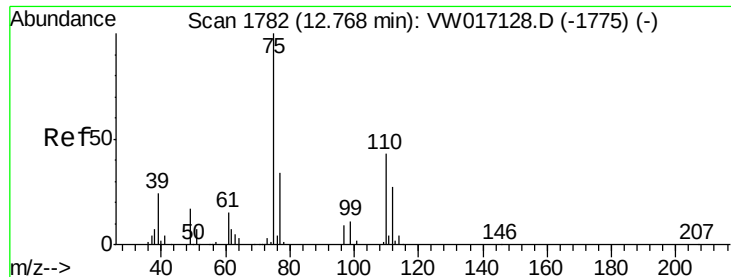


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

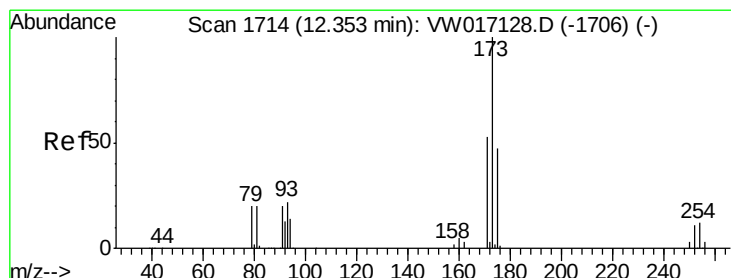
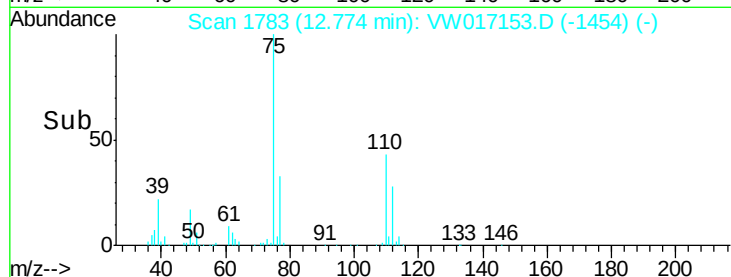
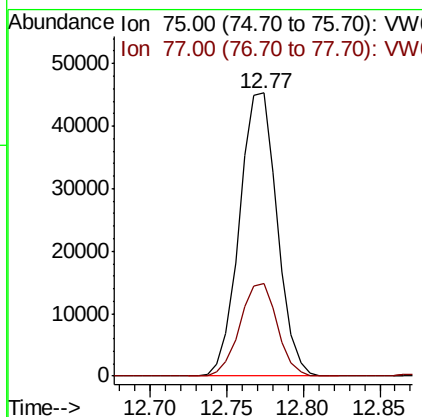
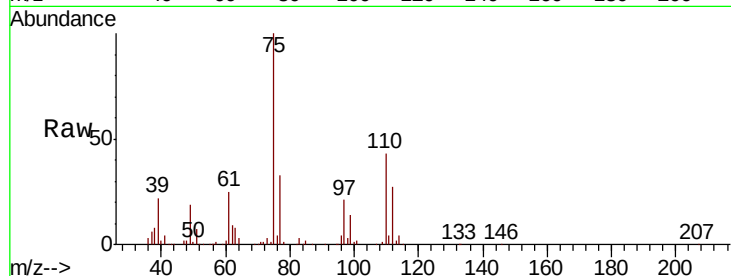




#59
 1,2,3-Trichloropropane
 Concen: 20.430 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW017153.D
 Acq: 11 Nov 2020 09:55

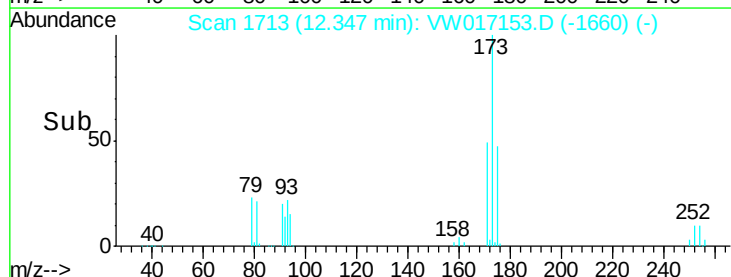
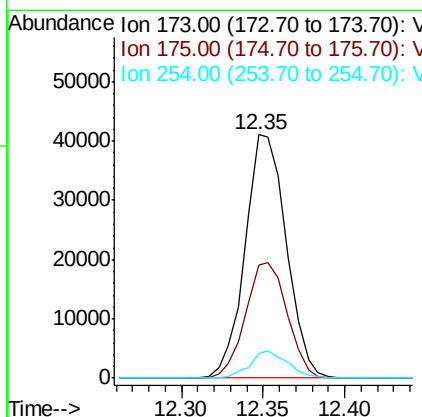
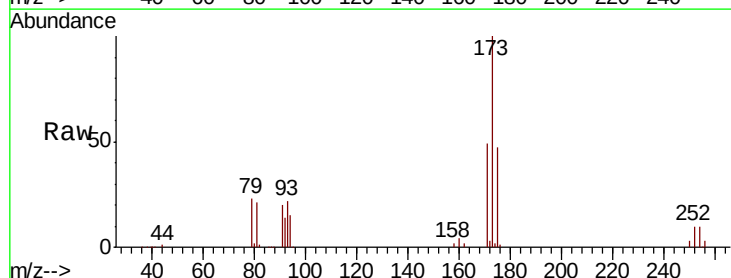
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

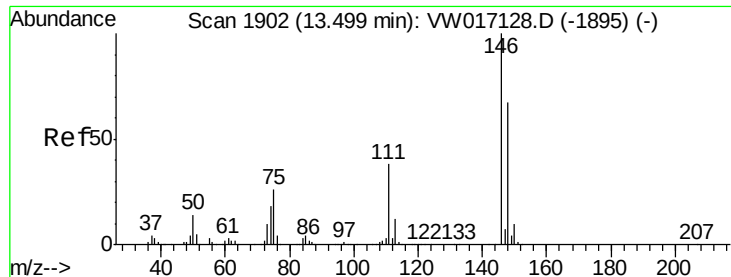
Tot Ion: 75 Resp: 77366
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.4 39.6



#62
 Bromoform
 Concen: 21.398 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW017153.D
 Acq: 11 Nov 2020 09:55

Tgt Ion: 173 Resp: 72182
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.3 57.5
 254 10.4 8.1 12.1





#63

1,3-Dichlorobenzene

Concen: 21.538 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

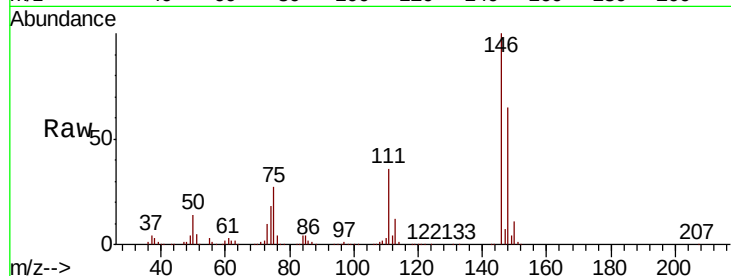
Tot Ion:146 Resp: 294426

Ion Ratio Lower Upper

146 100

111 35.8 26.4 49.0

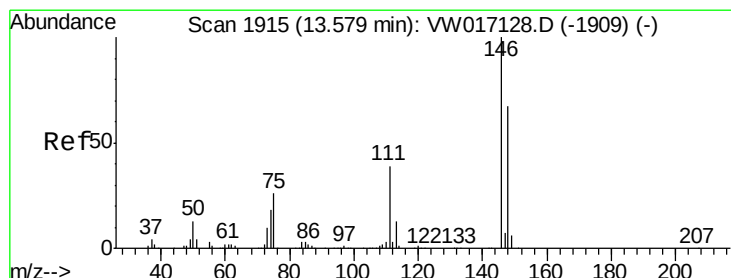
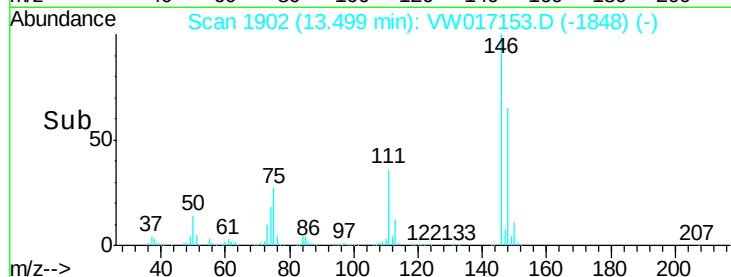
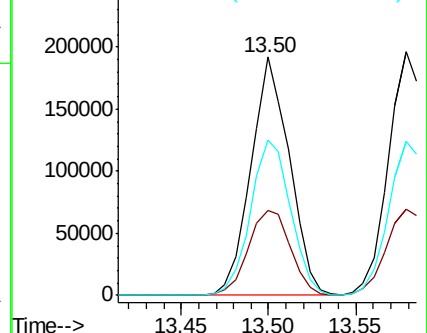
148 65.3 42.1 78.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 22.558 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

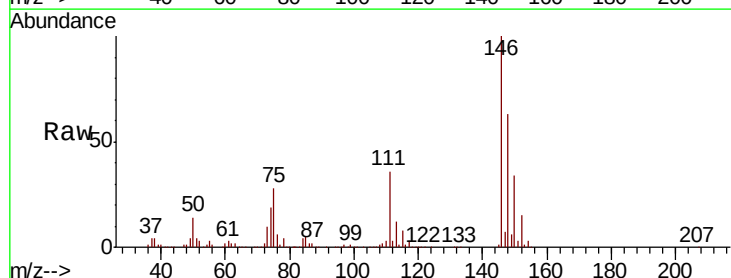
Tgt Ion:146 Resp: 309812

Ion Ratio Lower Upper

146 100

111 35.5 24.5 45.5

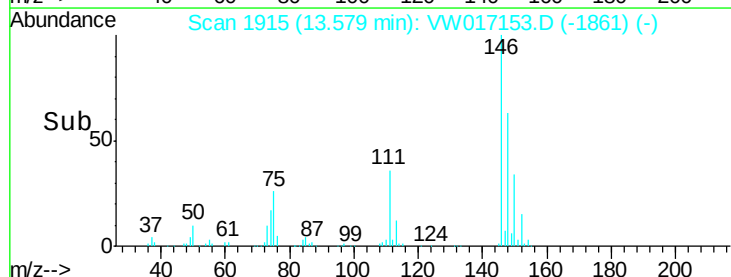
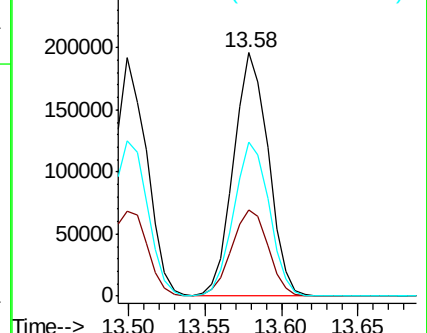
148 63.0 45.5 84.5

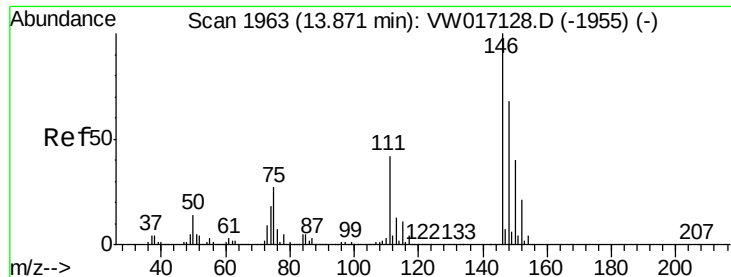


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

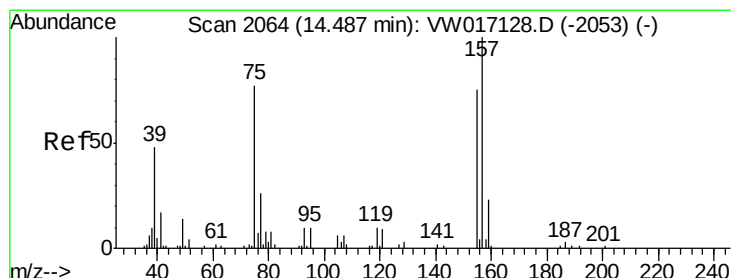
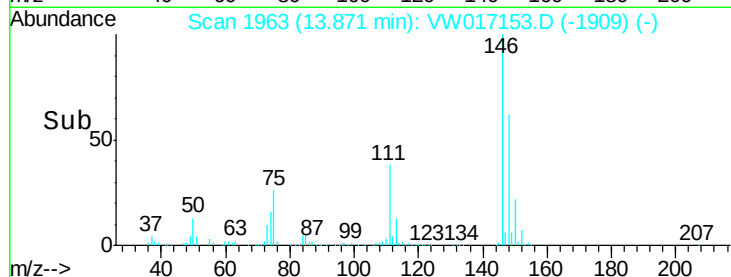
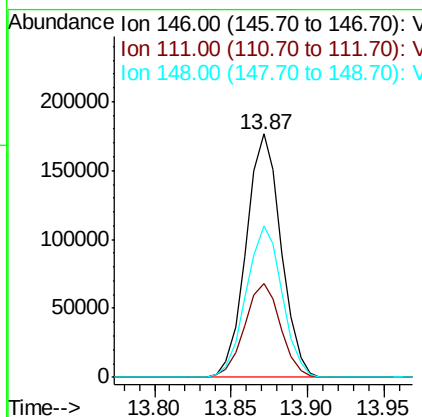
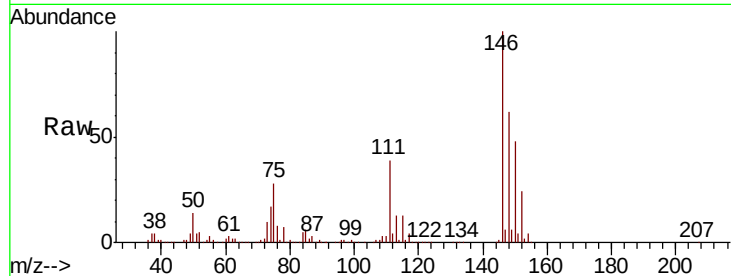




#65
 1,2-Dichlorobenzene
 Concen: 22.770 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017153.D
 Acq: 11 Nov 2020 09:55

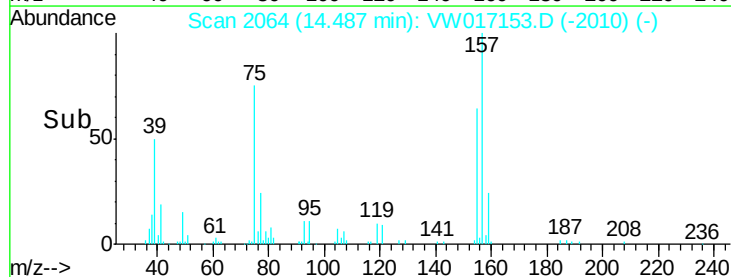
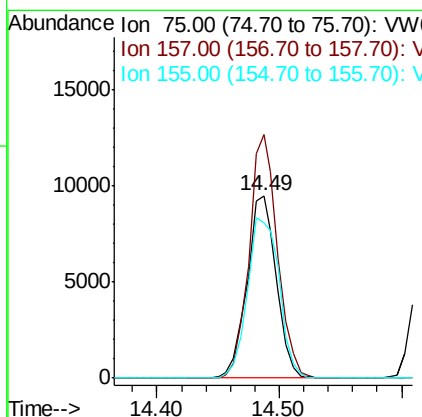
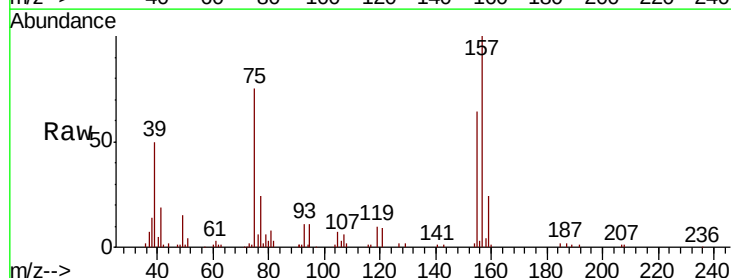
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

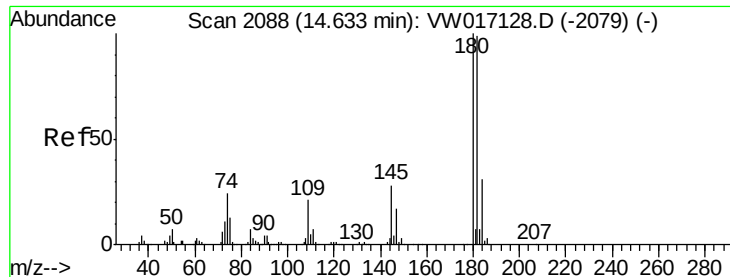
Tot Ion:146 Resp: 280703
 Ion Ratio Lower Upper
 146 100
 111 38.7 30.5 45.7
 148 62.0 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.295 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017153.D
 Acq: 11 Nov 2020 09:55

Tgt Ion: 75 Resp: 15727
 Ion Ratio Lower Upper
 75 100
 157 133.4 108.2 162.4
 155 85.0 79.1 118.7

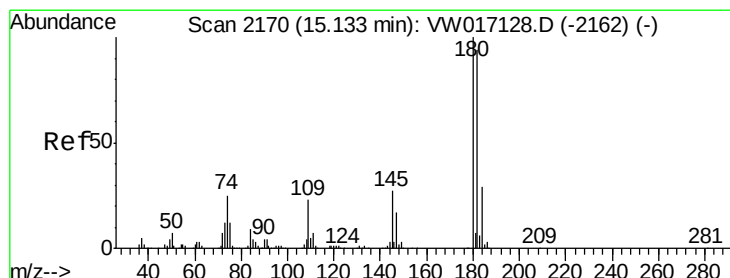
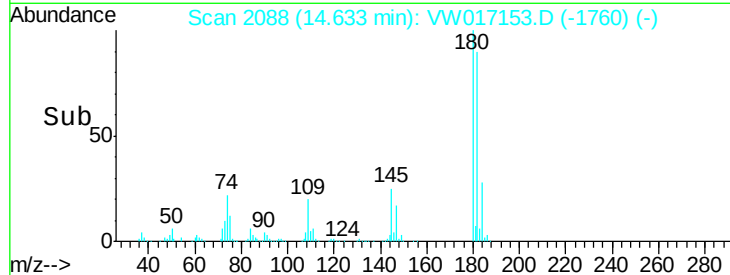
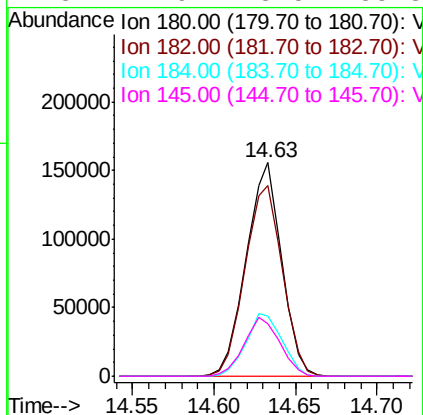
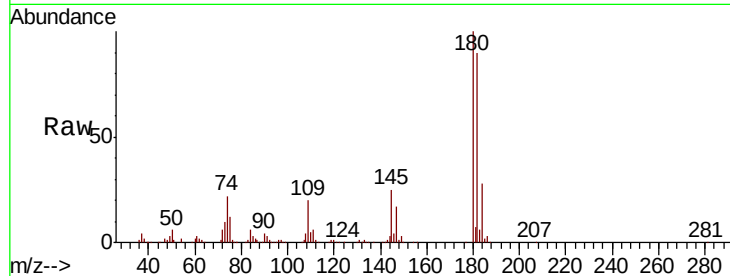




#67
 1,3,5-Trichlorobenzene
 Concen: 23.396 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW017153.D
 Acq: 11 Nov 2020 09:55

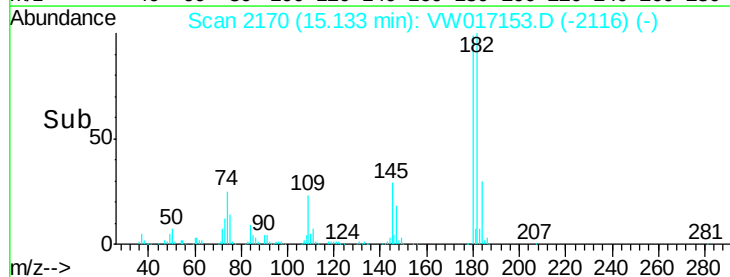
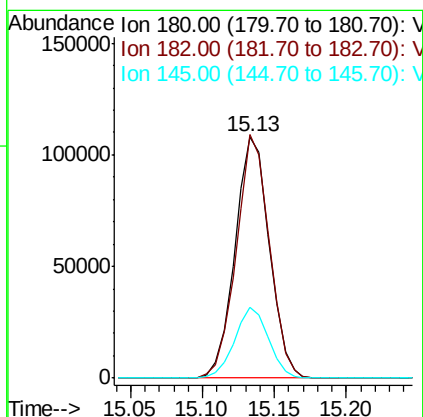
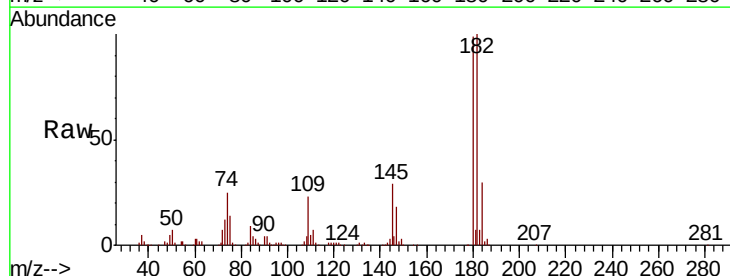
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

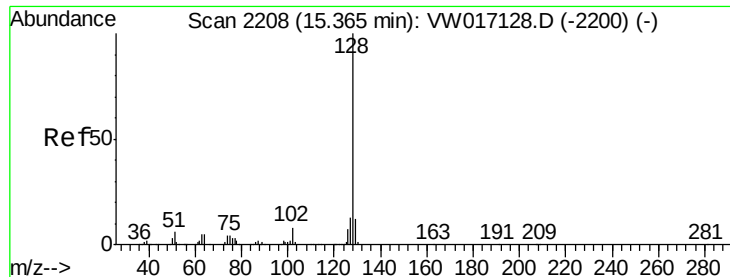
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.2	115.8
184	30.2	24.2	36.4
145	27.9	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 22.266 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017153.D
 Acq: 11 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.7	115.1
145	29.2	23.6	35.4





#69

Naphthalene

Concen: 20.138 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

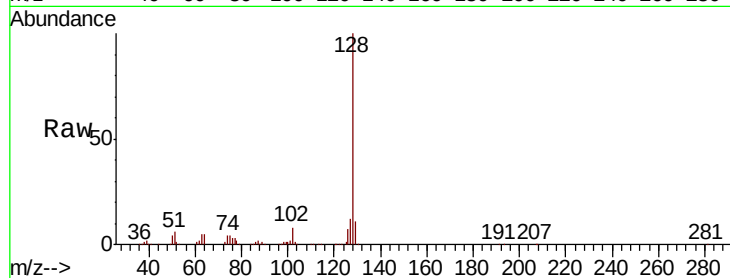
Tot Ion:128 Resp: 297912

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

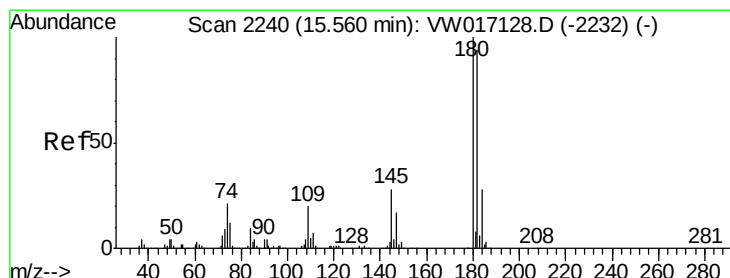
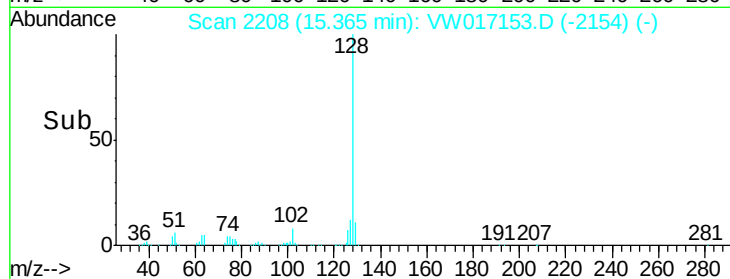
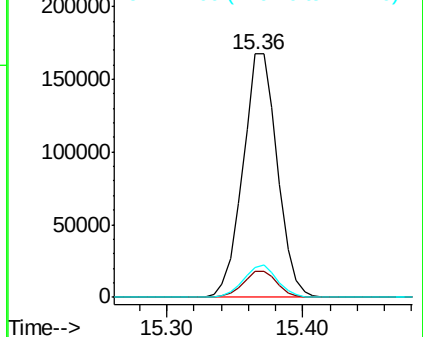
127 13.1 10.2 15.2



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: 21.287 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017153.D

Acq: 11 Nov 2020 09:55

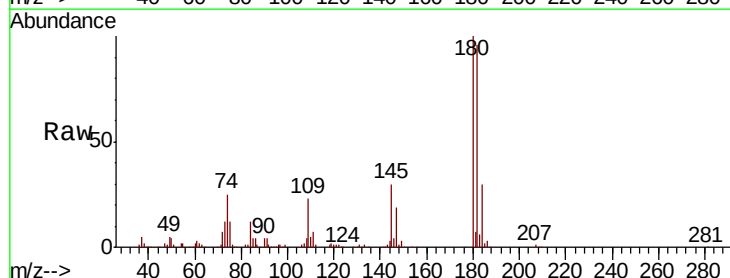
Tgt Ion:180 Resp: 156358

Ion Ratio Lower Upper

180 100

182 93.0 75.5 113.3

145 30.9 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

