

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111020\
 Data File : VW017151.D
 Acq On : 10 Nov 2020 19:32
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Quant Time: Nov 11 05:41:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 11 05:30:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	437519	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	393597	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	199523	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	147551	26.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.08%
7) Chloroethane-d5	2.90	69	123589	29.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.40%
10) 1,1-Dichloroethene-d2	4.03	63	251743	25.54	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.16%
20) 2-Butanone-d5	7.09	46	53718	43.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.18%
24) Chloroform-d	7.65	84	292488	28.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	114.56%
26) 1,2-Dichloroethane-d4	8.31	65	138606	27.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.20%
29) Benzene-d6	8.28	84	564117	28.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.56%
33) 1,2-Dichloropropane-d6	9.28	67	157109	28.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.36%
37) Toluene-d8	10.33	98	525520	27.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.24%
38) trans-1,3-Dichloropropene-	10.58	79	64982	26.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.00%
39) 2-Hexanone-d5	10.93	63	45110	46.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124134	25.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	198997	28.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	94971	21.635	ug/L	97
3) Chloromethane	2.21	50	88450	22.201	ug/L	98
5) Vinyl chloride	2.37	62	141763	24.261	ug/L	98
6) Bromomethane	2.79	94	100282	24.816	ug/L	98
8) Chloroethane	2.93	64	89146	25.285	ug/L	99
9) Trichlorofluoromethane	3.27	101	119635	25.174	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	135898	24.064	ug/L	98
12) 1,1-Dichloroethene	4.05	96	124487	22.925	ug/L	97
13) Acetone	4.14	43	29326	35.540	ug/L	95
14) Carbon disulfide	4.39	76	317748	21.501	ug/L	99
15) Methyl Acetate	4.68	43	35370	17.294	ug/L	98
16) Methylene chloride	4.92	84	134945	22.877	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	146221	22.052	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	130188	23.161	ug/L	99
19) 1,1-Dichloroethane	6.22	63	214119	24.043	ug/L	99
21) 2-Butanone	7.18	43	43308	32.687	ug/L	97
22) cis-1,2-Dichloroethene	7.18	96	137192	23.084	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111020\
 Data File : VW017151.D
 Acq On : 10 Nov 2020 19:32
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Quant Time: Nov 11 05:41:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 11 05:30:56 2020
 Response via : Initial Calibration

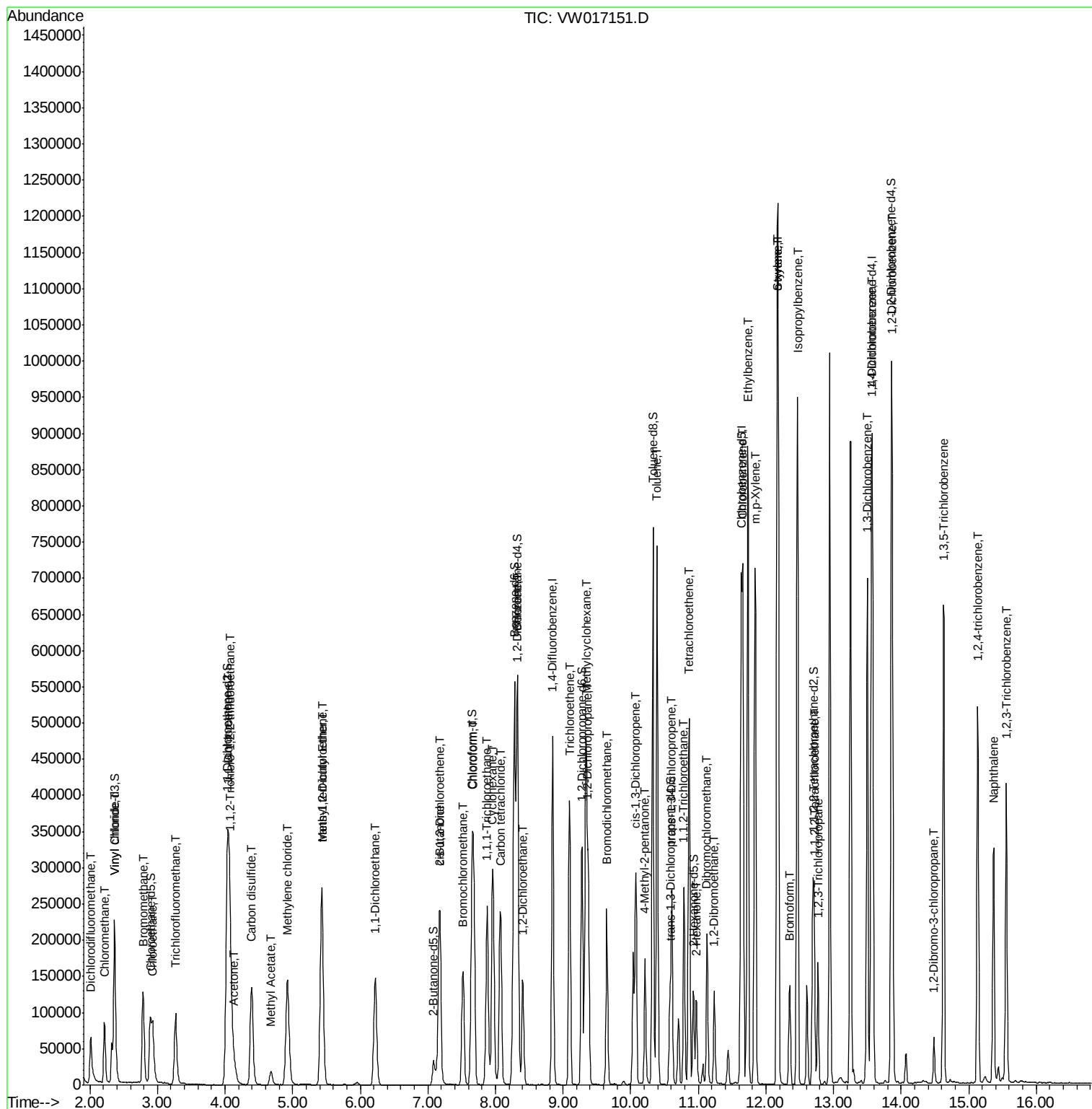
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	63358	22.142	ug/L	95
25) Chloroform	7.68	83	239771	24.729	ug/L	99
27) 1,2-Dichloroethane	8.40	62	134488	23.146	ug/L	97
30) Cyclohexane	7.96	56	167183	22.559	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	207282	25.716	ug/L	99
32) Carbon tetrachloride	8.07	117	191227	24.587	ug/L	100
34) Benzene	8.33	78	495950	23.996	ug/L	100
35) Trichloroethene	9.09	95	137126	23.685	ug/L	99
36) Methylcyclohexane	9.34	83	212493	22.809	ug/L	99
40) 1,2-Dichloropropane	9.37	63	114858	23.774	ug/L	99
41) Bromodichloromethane	9.65	83	164586	24.631	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	181610	23.732	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	107629	36.108	ug/L	100
44) Toluene	10.39	91	562160	24.711	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	149693	22.778	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	91196	21.893	ug/L	97
47) Tetrachloroethene	10.87	164	123644	23.671	ug/L	95
49) 2-Hexanone	10.97	43	70276	39.107	ug/L	95
50) Dibromochloromethane	11.13	129	112914	22.250	ug/L	99
51) 1,2-Dibromoethane	11.24	107	85536	21.137	ug/L	99
52) Chlorobenzene	11.66	112	375912	24.431	ug/L	99
53) Ethylbenzene	11.73	91	627213	24.683	ug/L	98
54) m,p-Xylene	11.84	106	245356	24.684	ug/L	98
55) o-xylene	12.17	106	235582	24.970	ug/L	94
56) Styrene	12.18	104	401264	25.332	ug/L	95
57) Isopropylbenzene	12.47	105	648584	25.331	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	99264	20.628	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	70212	20.299	ug/L	99
62) Bromoform	12.35	173	64746	21.140	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	307207	24.751	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	300835	24.125	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	269317	24.062	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	14697	19.860	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	222121	24.286	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	174900	23.963	ug/L	100
69) Naphthalene	15.37	128	296461	22.072	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	155521	23.320	ug/L	98

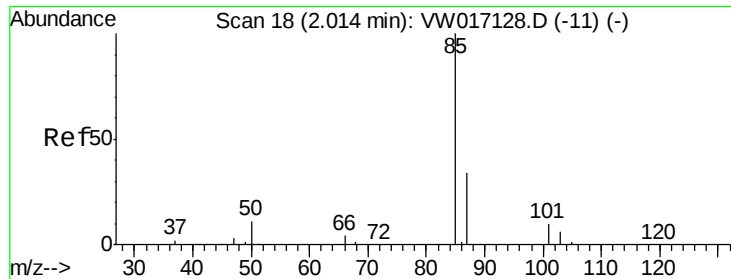
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111020\
Data File : VW017151.D
Acq On : 10 Nov 2020 19:32
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

Quant Time: Nov 11 05:41:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 11 05:30:56 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 21.635 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

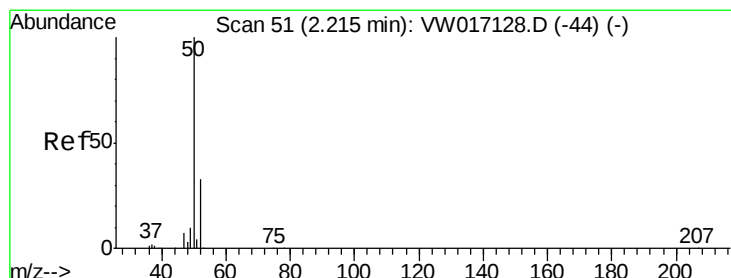
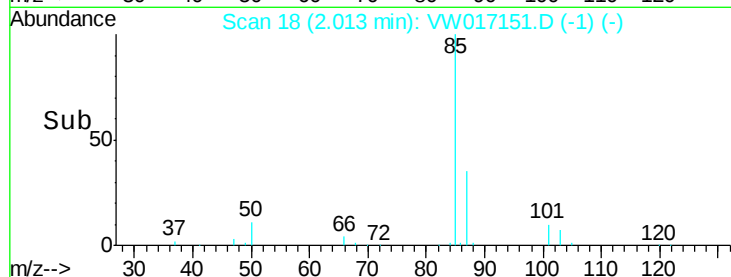
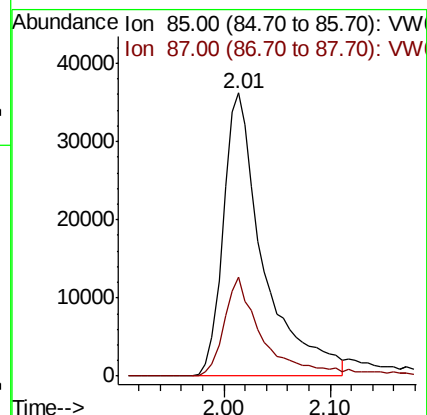
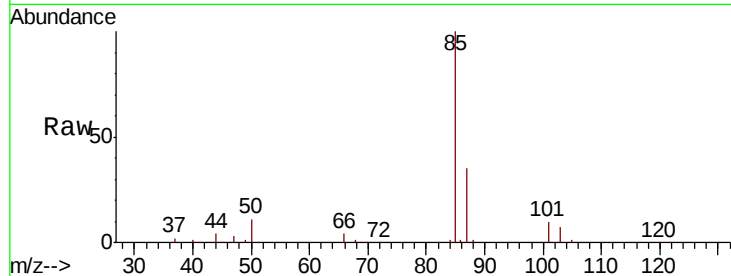
VSTD02521

Tot Ion: 85 Resp: 94971

Ion Ratio Lower Upper

85 100

87 32.3 21.5 39.9



#3

Chloromethane

Concen: 22.201 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017151.D

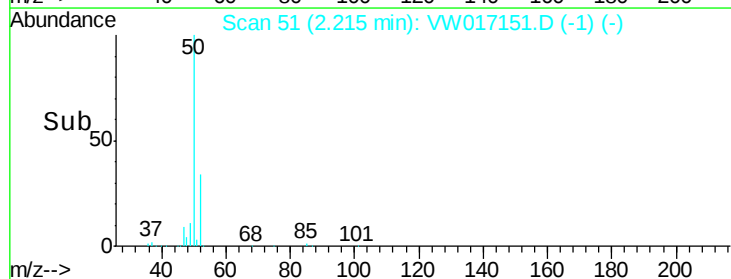
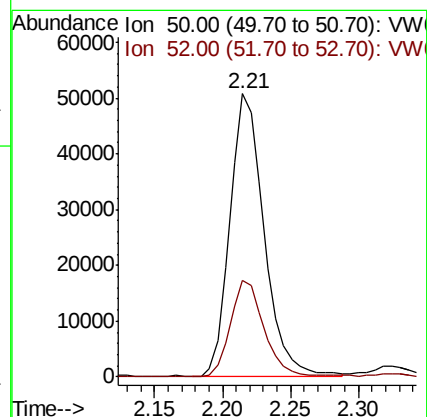
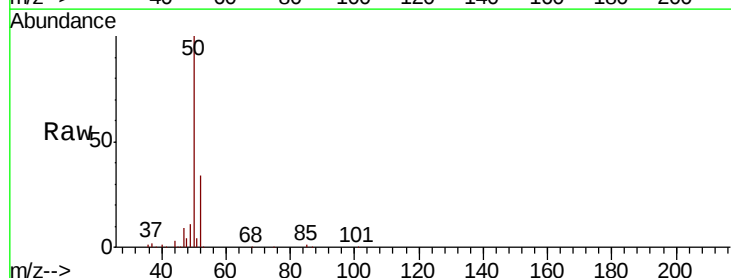
Acq: 10 Nov 2020 19:32

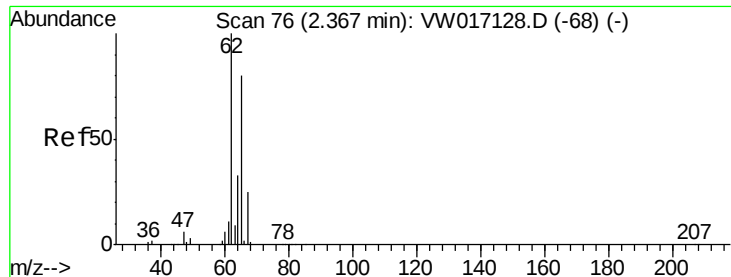
Tgt Ion: 50 Resp: 88450

Ion Ratio Lower Upper

50 100

52 33.9 23.1 42.9





#5

Vinyl chloride

Concen: 24.261 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

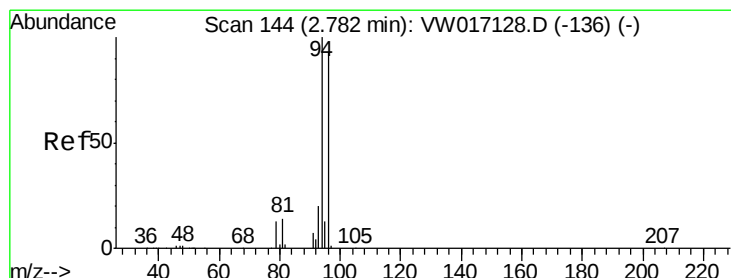
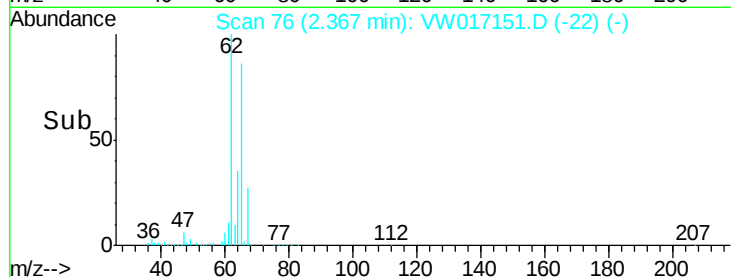
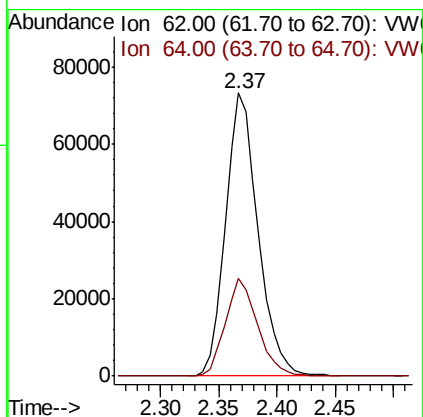
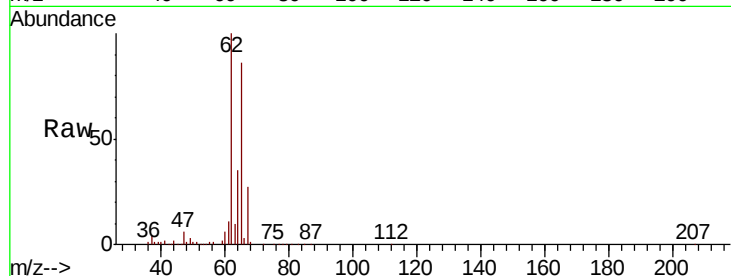
VSTD02521

Tot Ion: 62 Resp: 141763

Ion Ratio Lower Upper

62 100

64 34.7 23.3 43.3



#6

Bromomethane

Concen: 24.816 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW017151.D

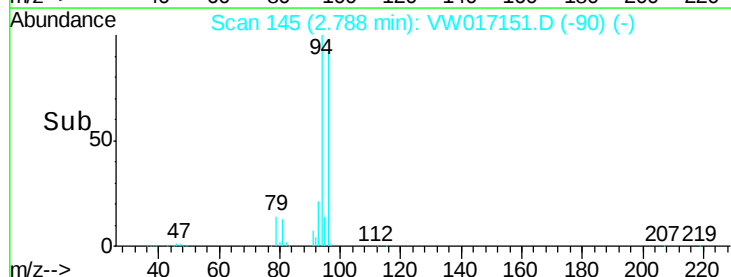
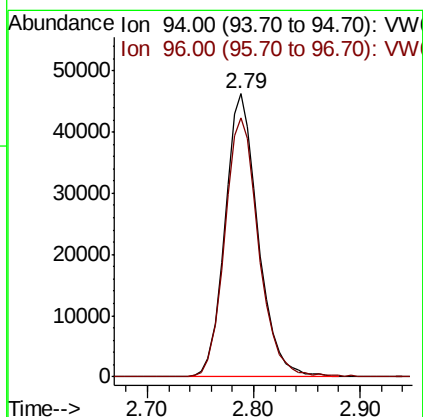
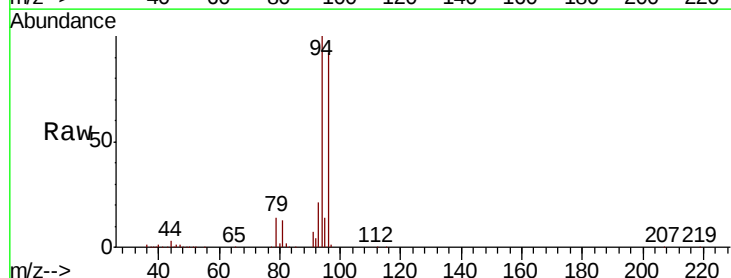
Acq: 10 Nov 2020 19:32

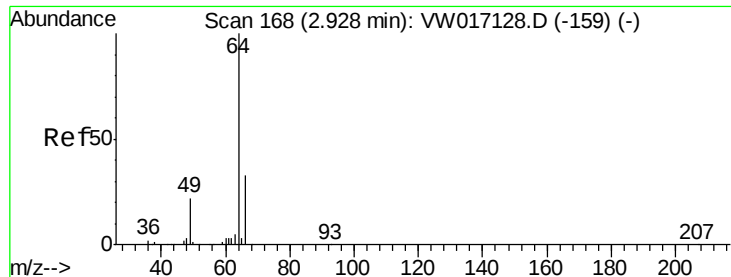
Tgt Ion: 94 Resp: 100282

Ion Ratio Lower Upper

94 100

96 93.8 9.6 181.8





#8

Chloroethane

Concen: 25.285 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

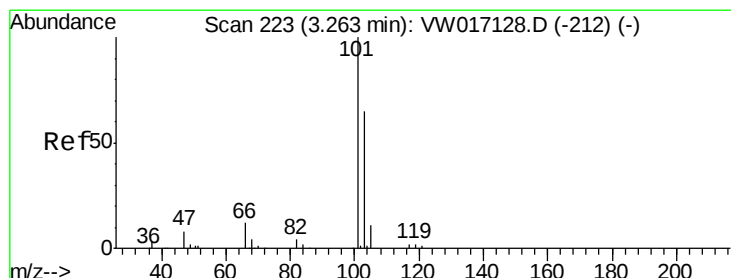
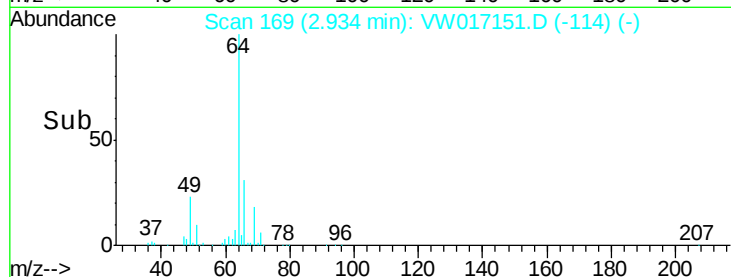
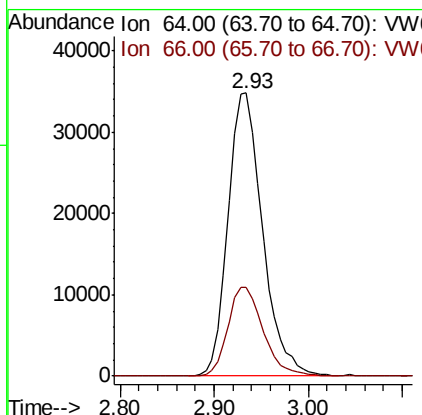
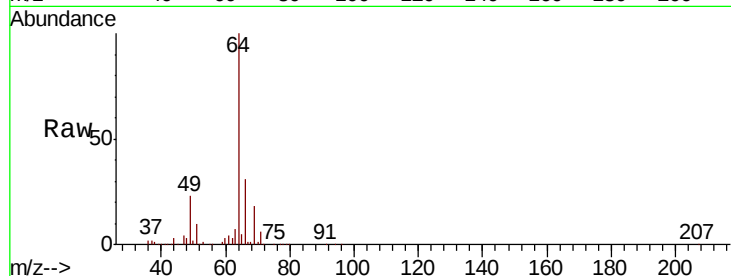
VSTD02521

Tot Ion: 64 Resp: 89146

Ion Ratio Lower Upper

64 100

66 31.4 22.3 41.5



#9

Trichlorofluoromethane

Concen: 25.174 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW017151.D

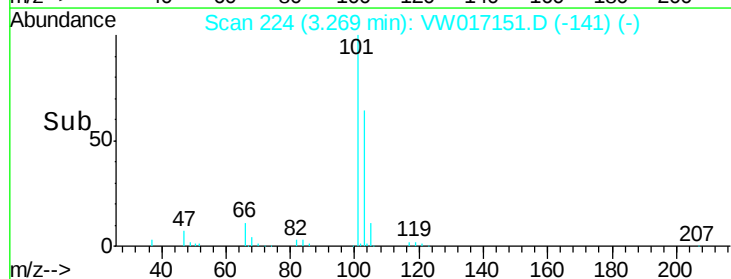
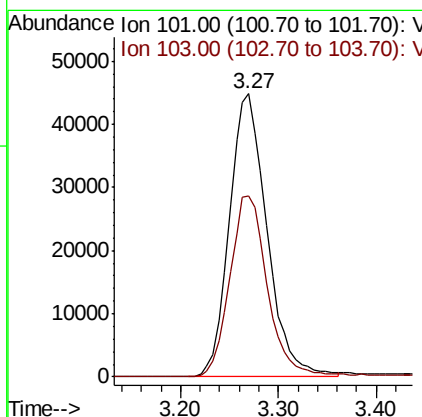
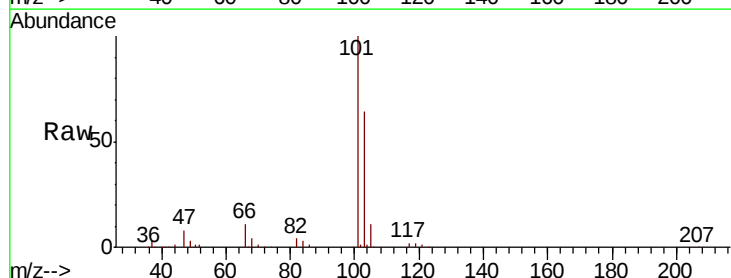
Acq: 10 Nov 2020 19:32

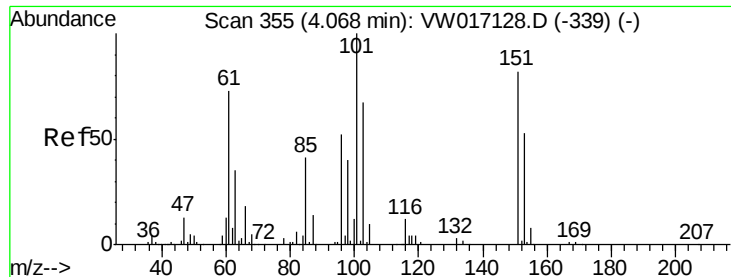
Tgt Ion: 101 Resp: 119635

Ion Ratio Lower Upper

101 100

103 64.0 45.4 84.2





#11

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

Concen: 24.064 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampled :

VSTD02521

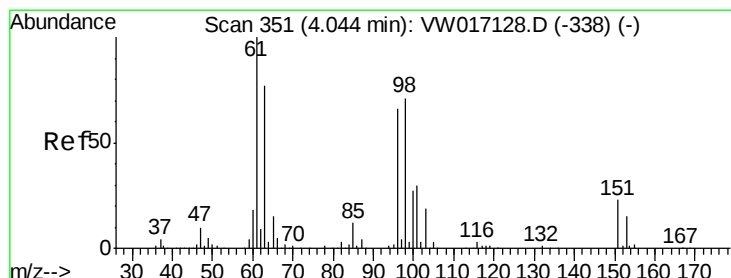
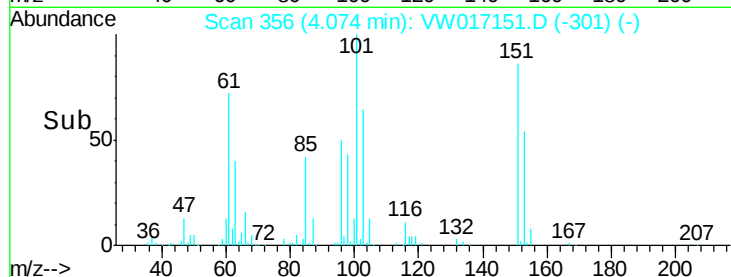
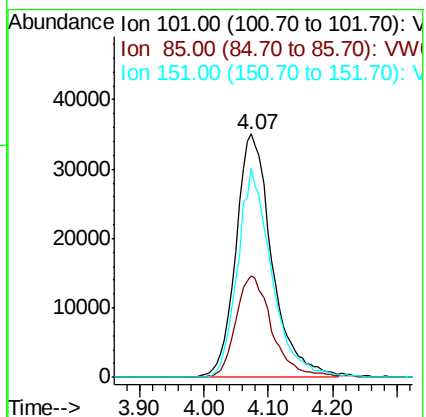
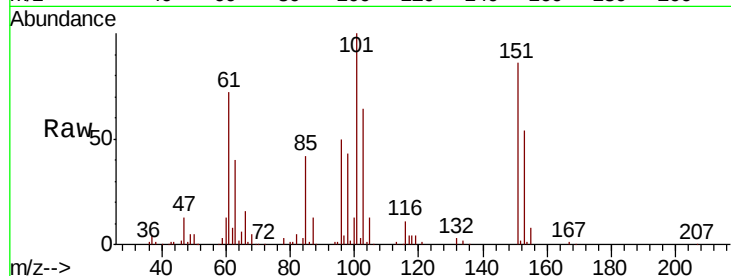
Tot Ion:101 Resp: 135898

Ion Ratio Lower Upper

101 100

85 40.7 32.8 49.2

151 79.7 65.4 98.2



#12

1,1-Dichloroethene

Concen: 22.925 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

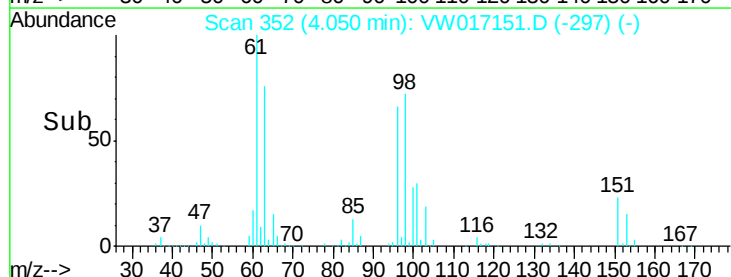
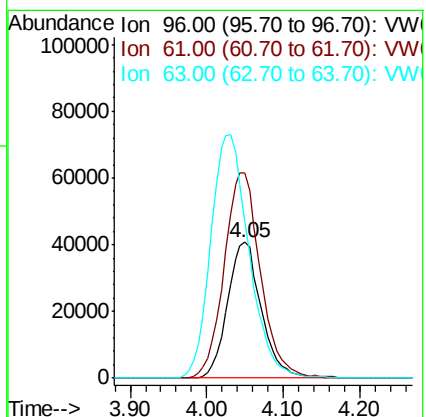
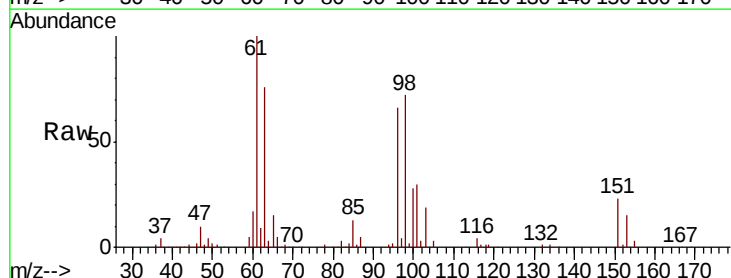
Tgt Ion: 96 Resp: 124487

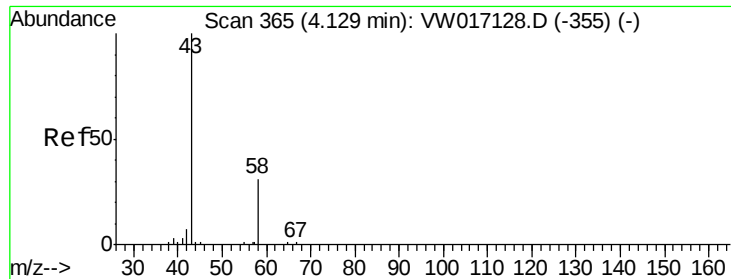
Ion Ratio Lower Upper

96 100

61 150.9 103.8 192.8

63 115.1 84.4 156.7





#13

Acetone

Concen: 35.540 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampled :

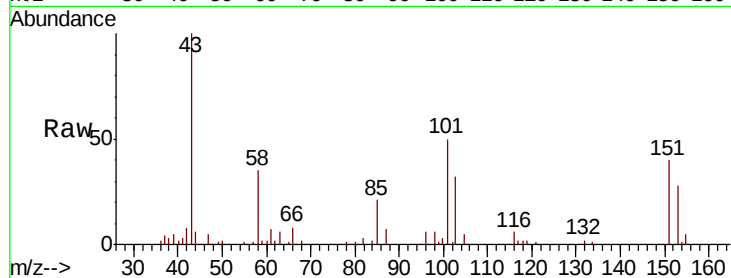
VSTD02521

Tot Ion: 43 Resp: 29326

Ion Ratio Lower Upper

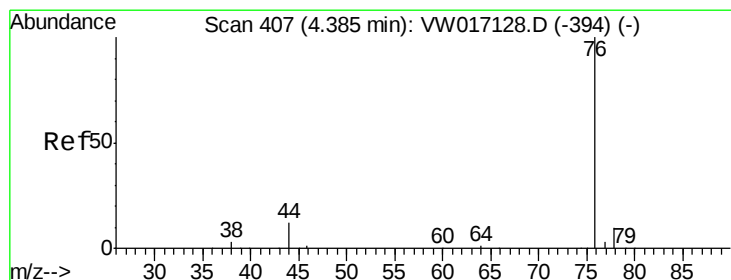
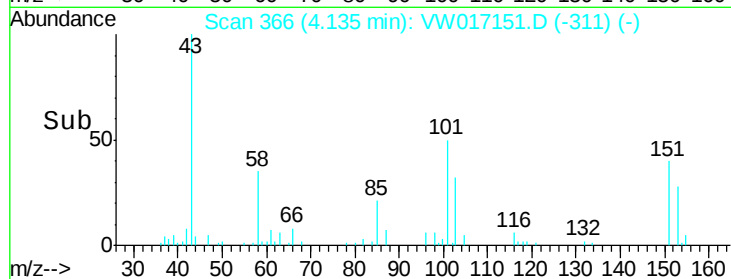
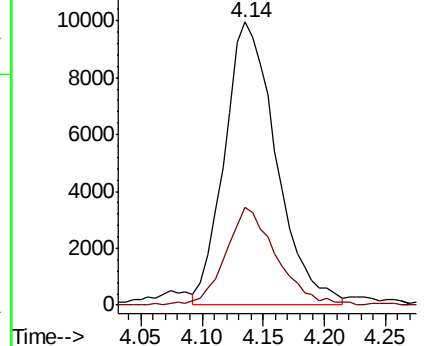
43 100

58 31.6 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 21.501 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017151.D

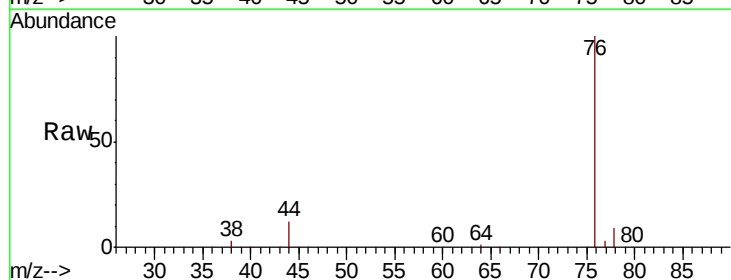
Acq: 10 Nov 2020 19:32

Tgt Ion: 76 Resp: 317748

Ion Ratio Lower Upper

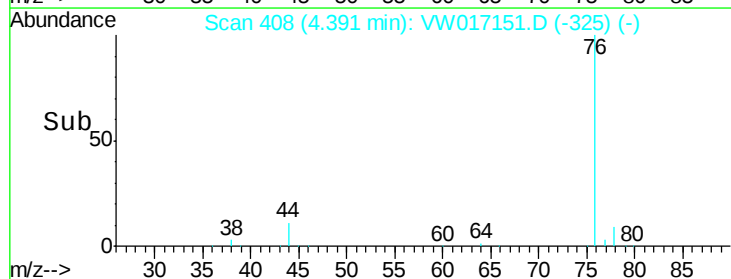
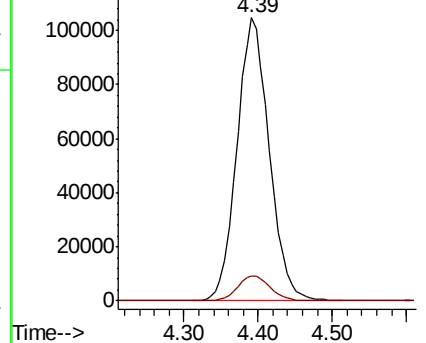
76 100

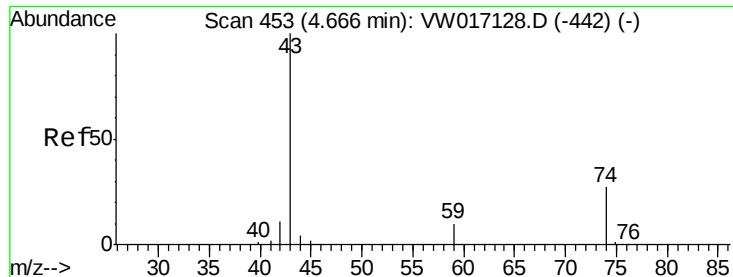
78 9.0 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

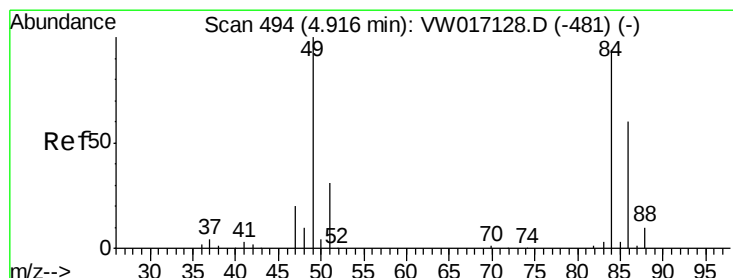
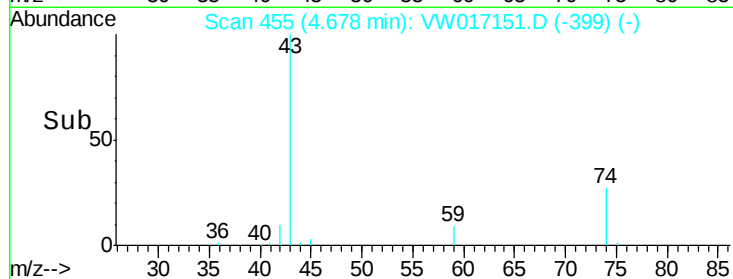
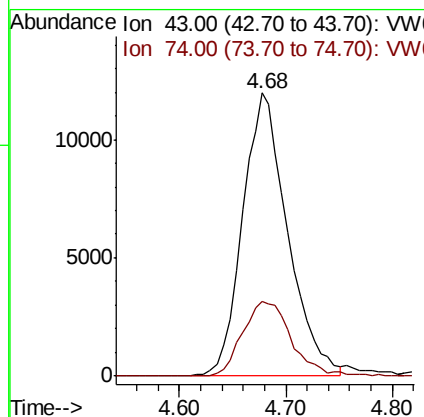
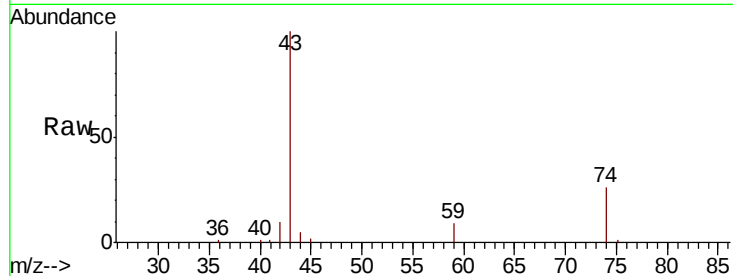




#15
Methvl Acetate
Concen: 17.294 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW017151.D
Acq: 10 Nov 2020 19:32

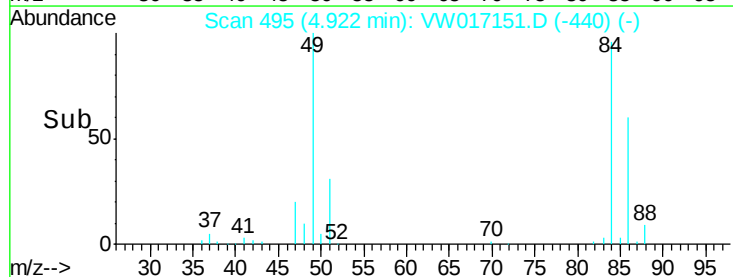
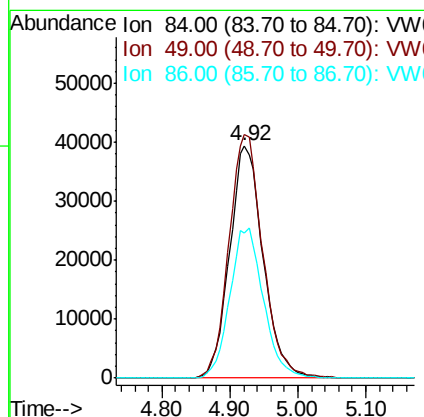
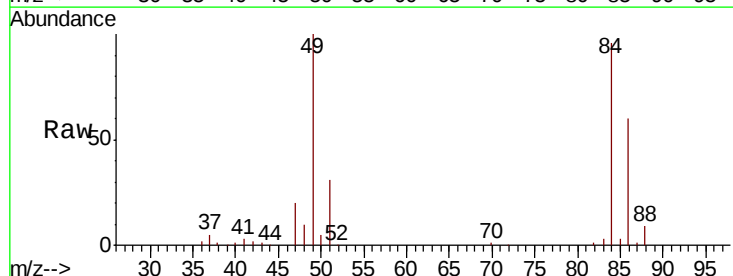
Instrument :
MSVOA_W
ClientSampled :
VSTD02521

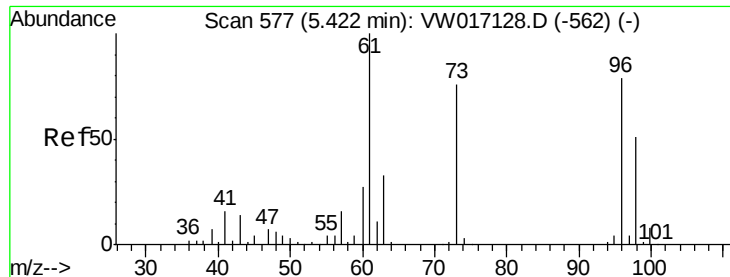
Tot Ion: 43 Resp: 35370
Ion Ratio Lower Upper
43 100
74 28.0 21.5 32.3



#16
Methylene chloride
Concen: 22.877 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017151.D
Acq: 10 Nov 2020 19:32

Tgt Ion: 84 Resp: 134945
Ion Ratio Lower Upper
84 100
49 104.6 72.3 134.3
86 62.4 45.1 83.7

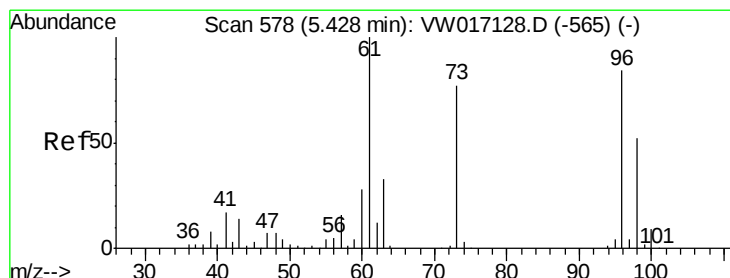
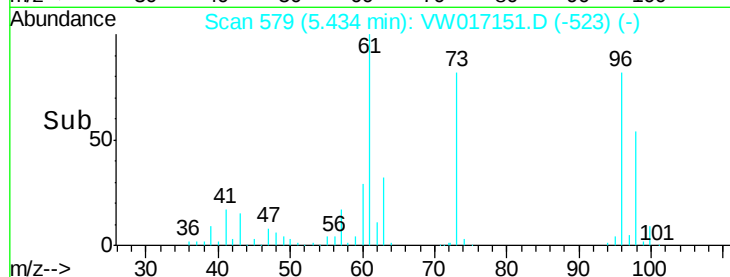
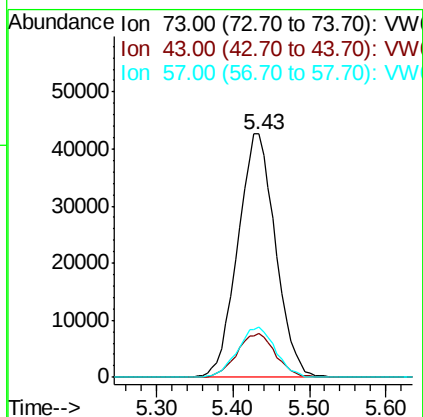
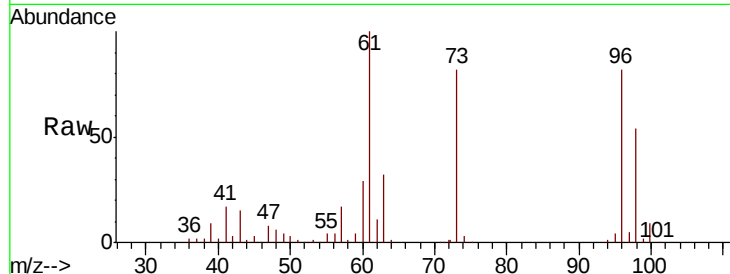




#17
Methvl tert-butvl Ether
Concen: 22.052 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017151.D
Acq: 10 Nov 2020 19:32

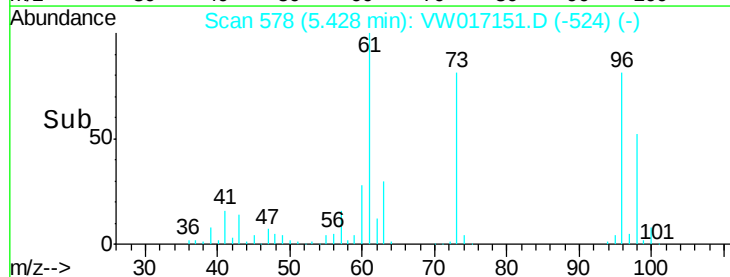
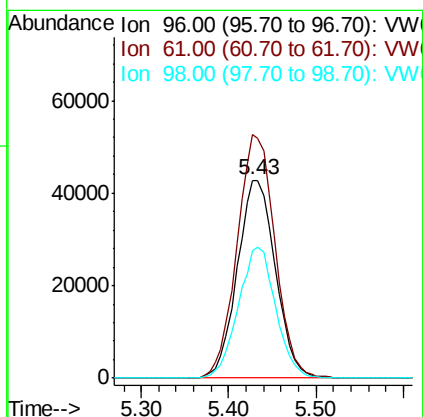
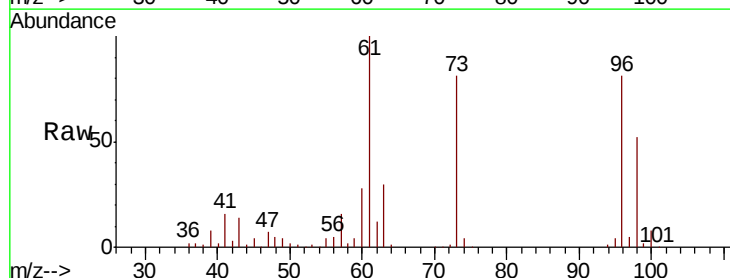
Instrument :
MSVOA_W
ClientSampled :
VSTD02521

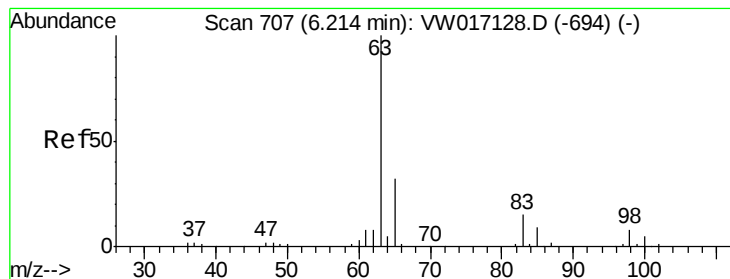
Tot Ion: 73 Resp: 146221
Ion Ratio Lower Upper
73 100
43 18.5 14.5 21.7
57 20.6 16.3 24.5



#18
trans-1,2-Dichloroethene
Concen: 23.161 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017151.D
Acq: 10 Nov 2020 19:32

Tgt Ion: 96 Resp: 130188
Ion Ratio Lower Upper
96 100
61 123.2 86.8 161.2
98 64.1 44.4 82.4





#19

1,1-Dichloroethane

Concen: 24.043 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

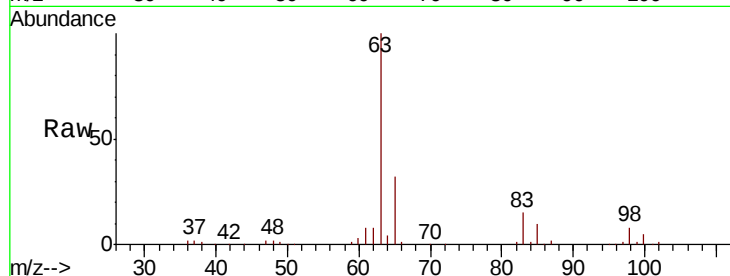
Tot Ion: 63 Resp: 214119

Ion Ratio Lower Upper

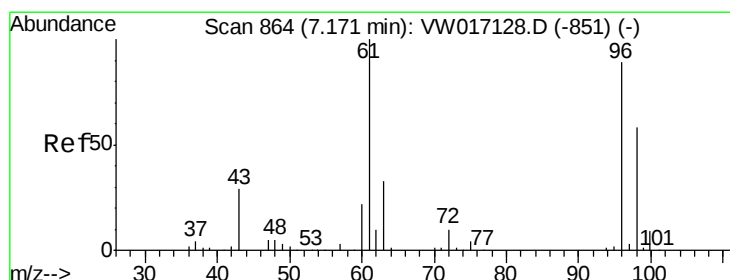
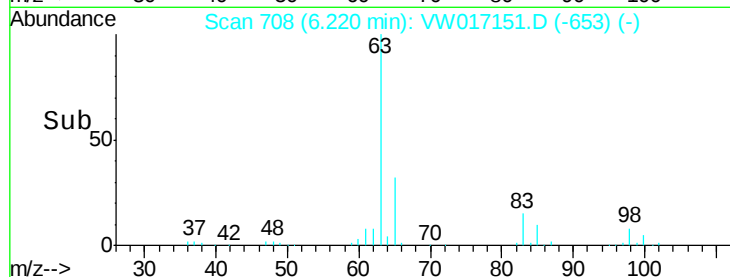
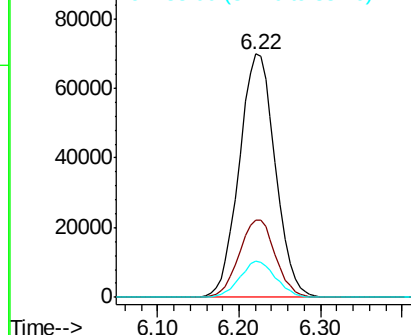
63 100

65 31.6 22.1 41.1

83 14.9 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: 32.687 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017151.D

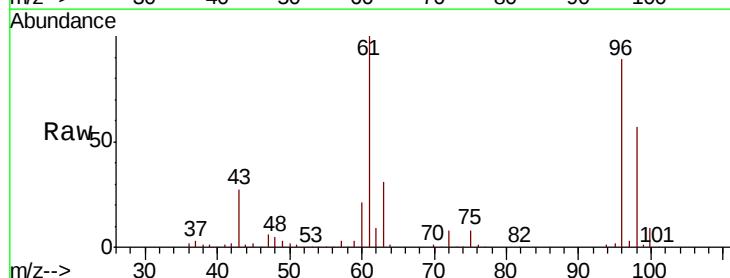
Acq: 10 Nov 2020 19:32

Tgt Ion: 43 Resp: 43308

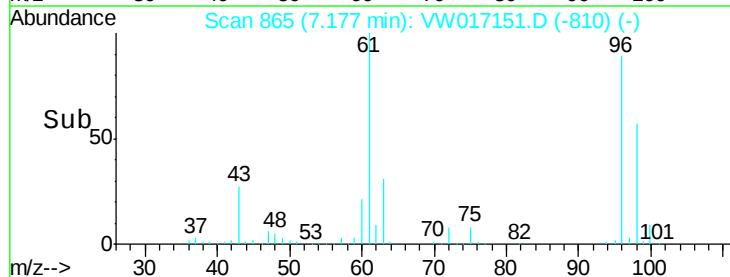
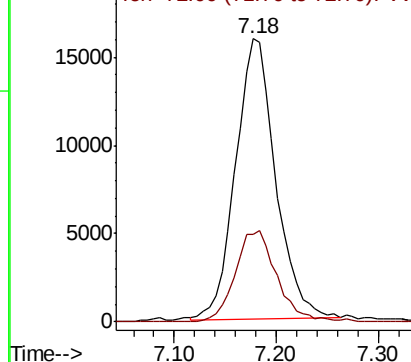
Ion Ratio Lower Upper

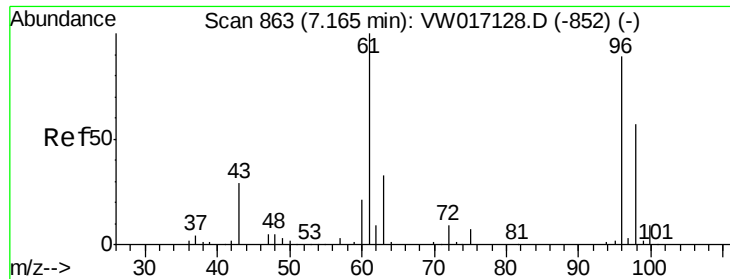
43 100

72 33.7 16.1 48.3



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



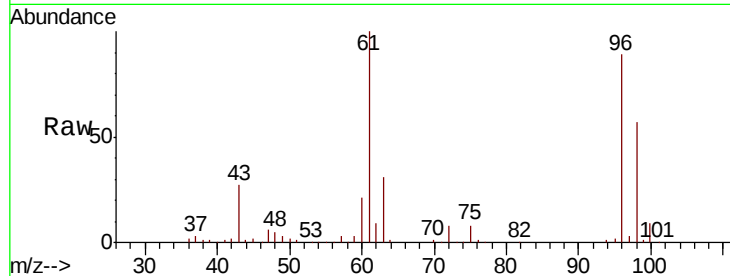


#22

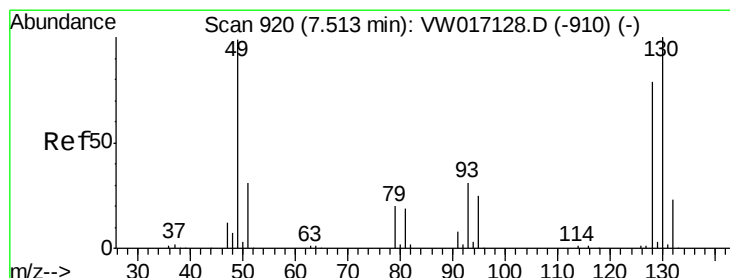
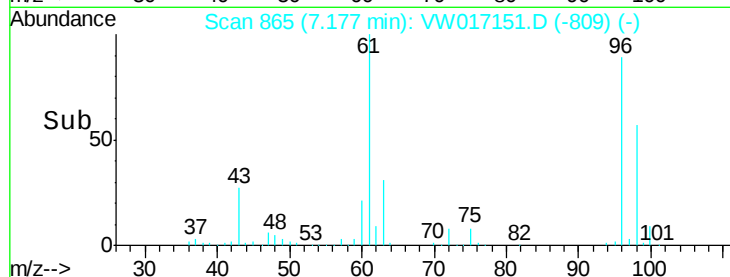
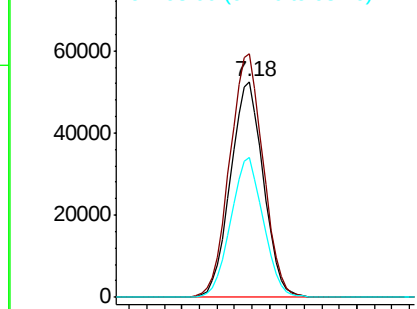
cis-1,2-Dichloroethene
 Concen: 23.084 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW017151.D
 Acq: 10 Nov 2020 19:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tot Ion: 96 Resp: 137192
 Ion Ratio Lower Upper
 96 100
 61 112.9 77.4 143.8
 98 64.7 45.1 83.7



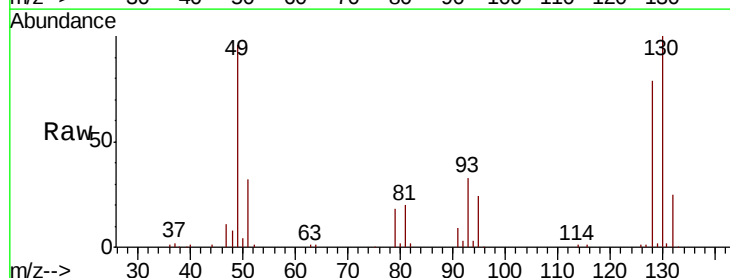
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



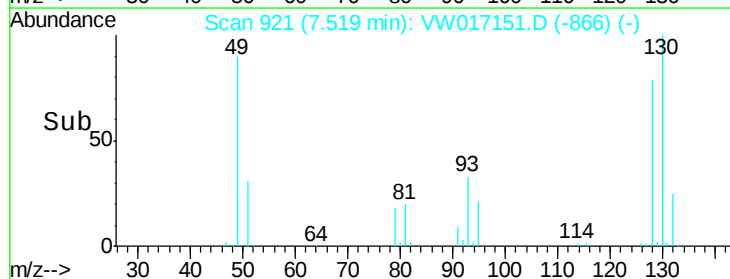
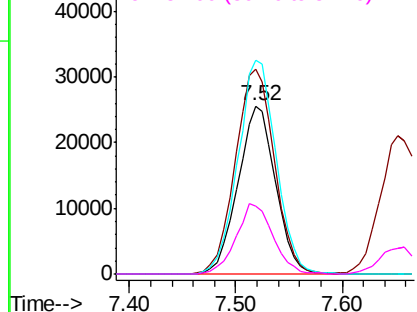
#23

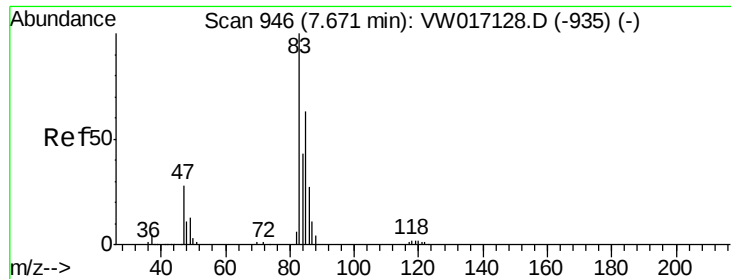
Bromochloromethane
 Concen: 22.142 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW017151.D
 Acq: 10 Nov 2020 19:32

Tgt Ion: 128 Resp: 63358
 Ion Ratio Lower Upper
 128 100
 49 121.9 88.3 163.9
 130 127.4 95.6 177.6
 51 40.6 32.2 48.4



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





#25

Chloroform

Concen: 24.729 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampled :

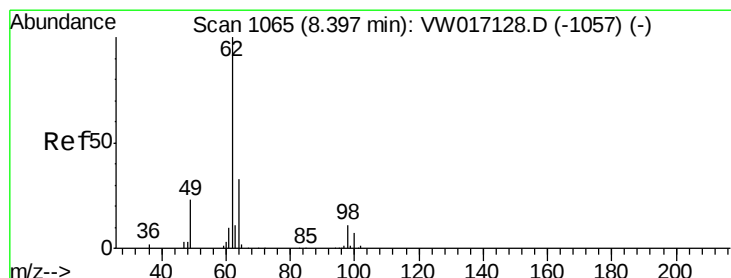
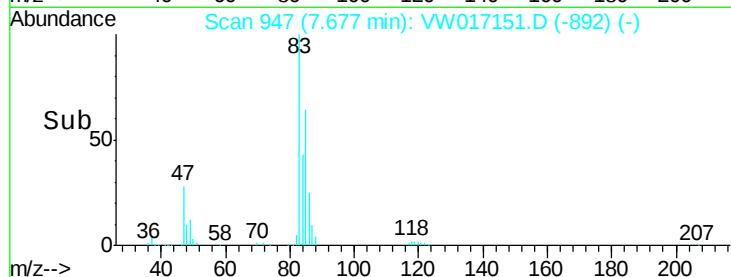
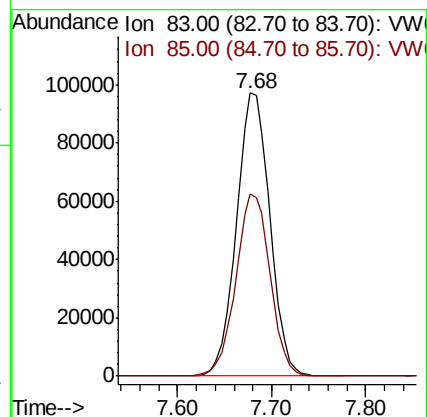
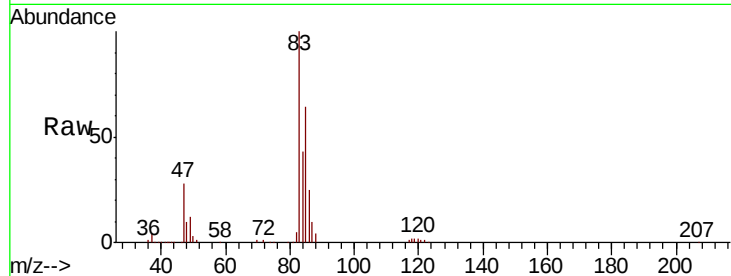
VSTD02521

Tot Ion: 83 Resp: 239771

Ion Ratio Lower Upper

83 100

85 65.8 46.4 86.2



#27

1,2-Dichloroethane

Concen: 23.146 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW017151.D

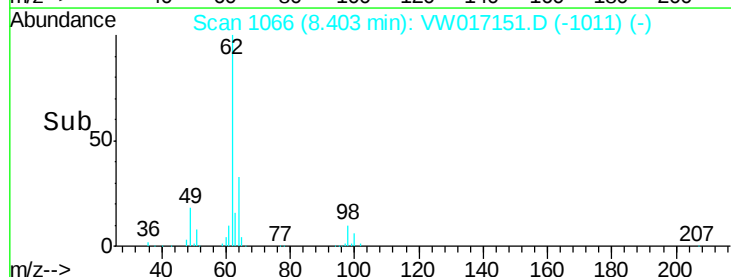
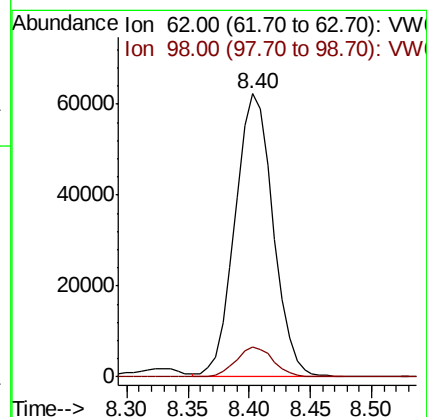
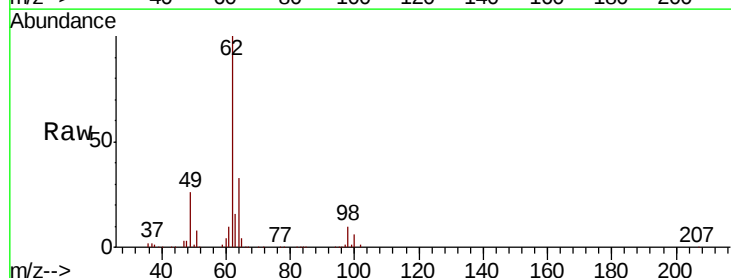
Acq: 10 Nov 2020 19:32

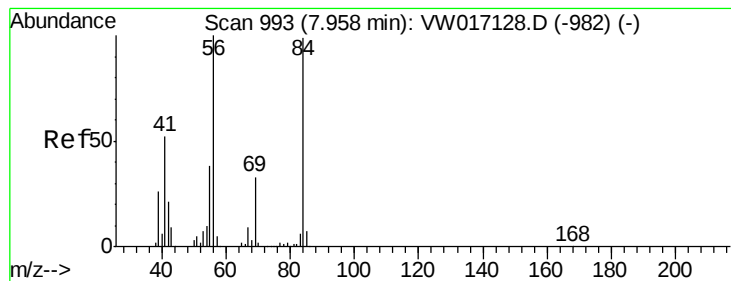
Tgt Ion: 62 Resp: 134488

Ion Ratio Lower Upper

62 100

98 10.4 9.4 14.0





#30

Cvclohexane

Concen: 22.559 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

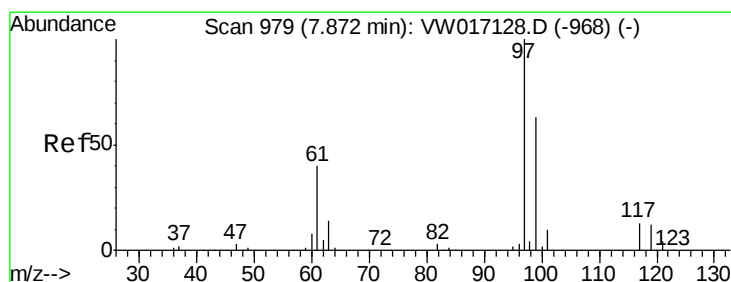
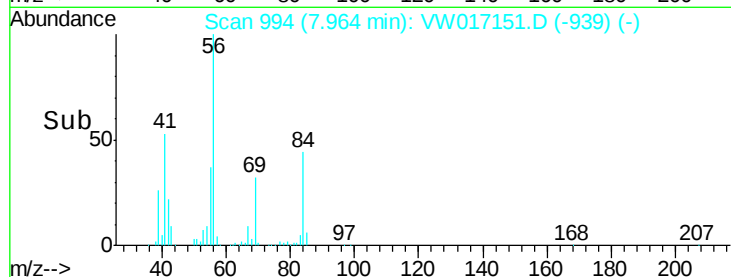
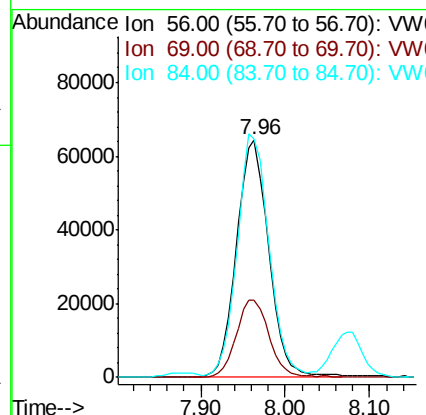
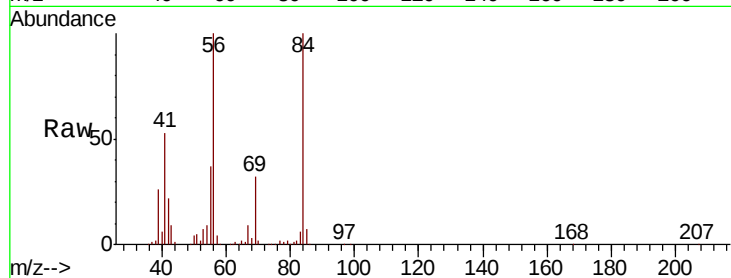
Tot Ion: 56 Resp: 167183

Ion Ratio Lower Upper

56 100

69 33.1 26.1 39.1

84 100.6 79.1 118.7



#31

1,1,1-Trichloroethane

Concen: 25.716 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

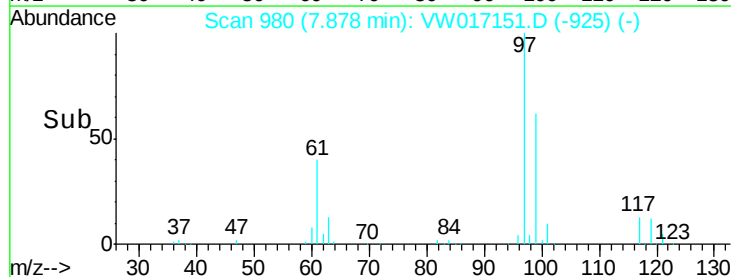
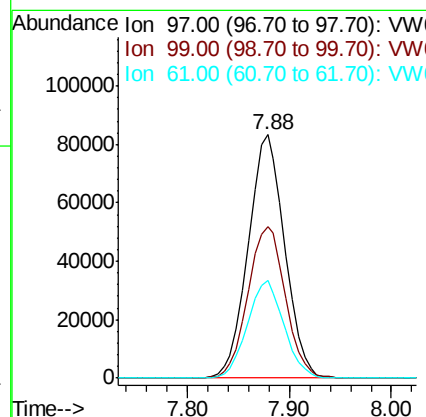
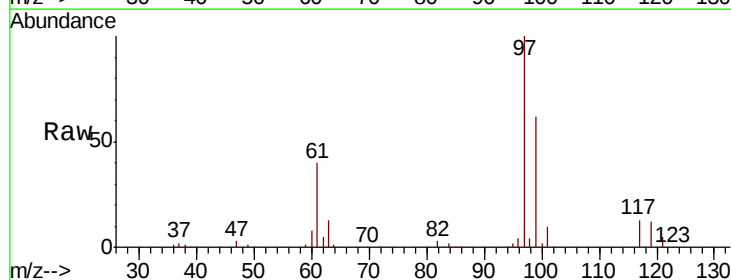
Tgt Ion: 97 Resp: 207282

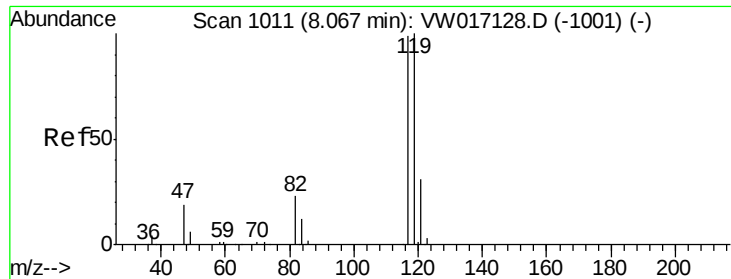
Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.0

61 40.3 31.6 47.4





#32

Carbon tetrachloride

Concen: 24.587 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

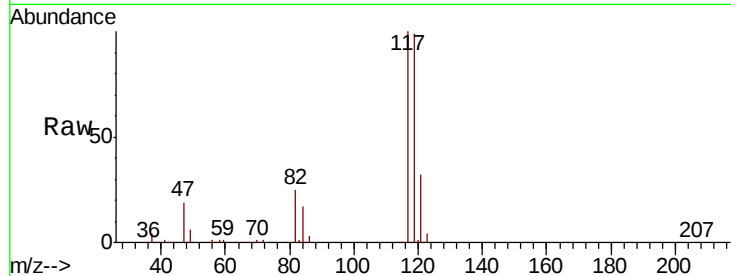
VSTD02521

Tot Ion:117 Resp: 191227

Ion Ratio Lower Upper

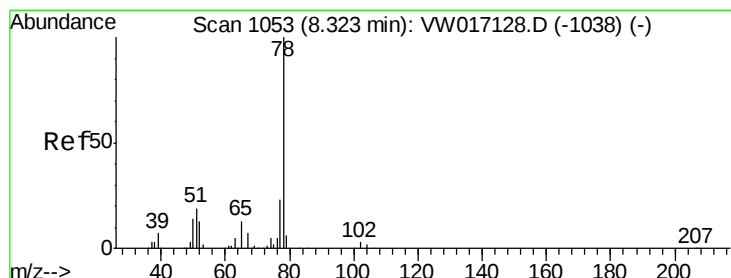
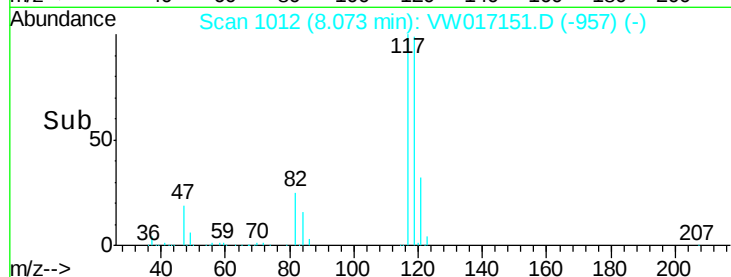
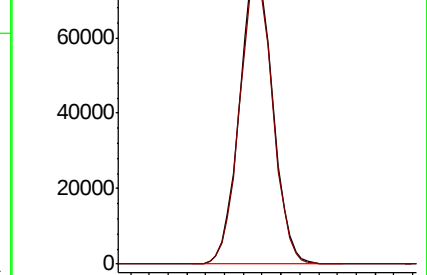
117 100

119 97.2 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: 23.996 ug/L

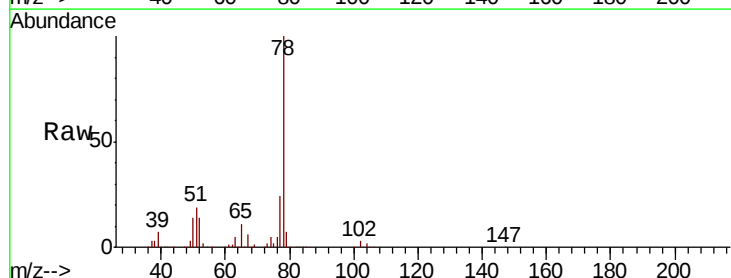
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW017151.D

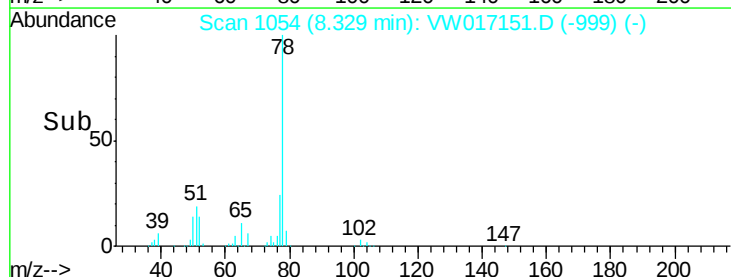
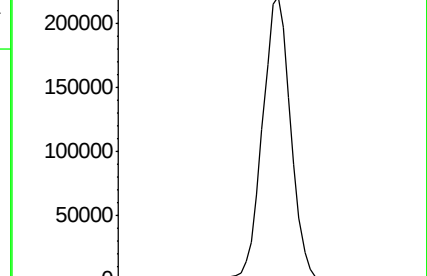
Acq: 10 Nov 2020 19:32

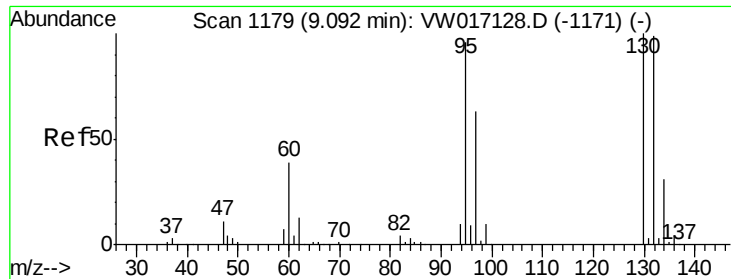
Tgt Ion: 78 Resp: 495950



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33





#35

Trichloroethene

Concen: 23.685 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

Tot Ion: 95 Resp: 137126

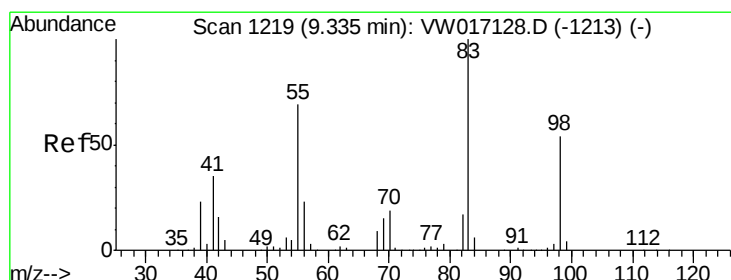
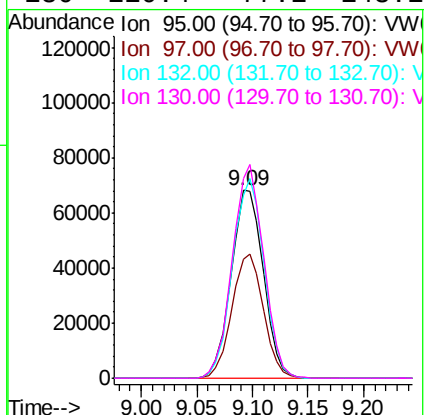
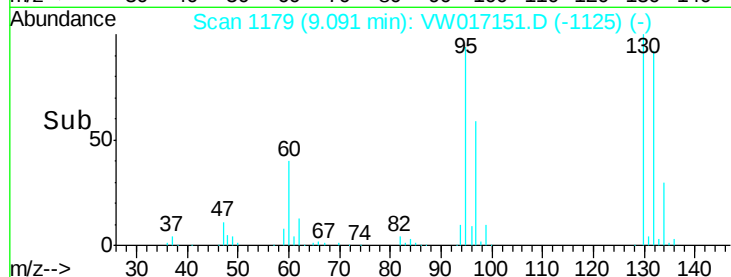
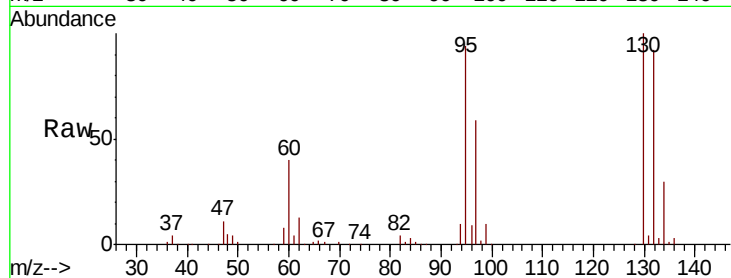
Ion Ratio Lower Upper

95 100

97 64.6 45.0 83.6

132 104.2 73.7 136.9

130 110.4 77.1 143.1



#36

Methylcyclohexane

Concen: 22.809 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

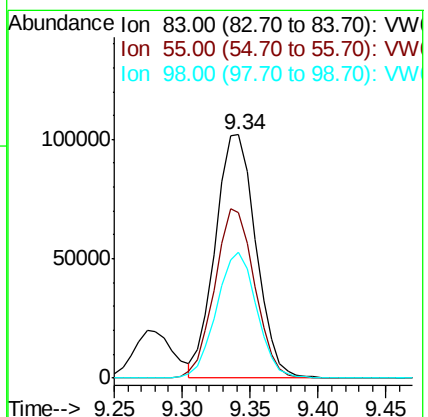
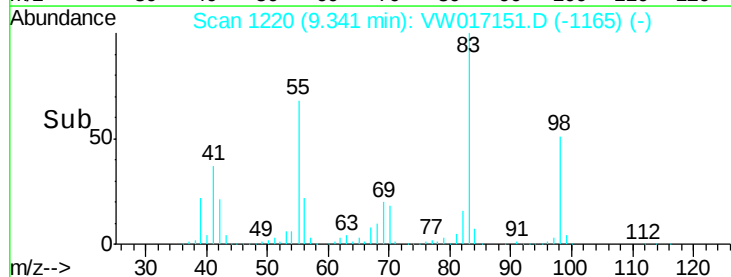
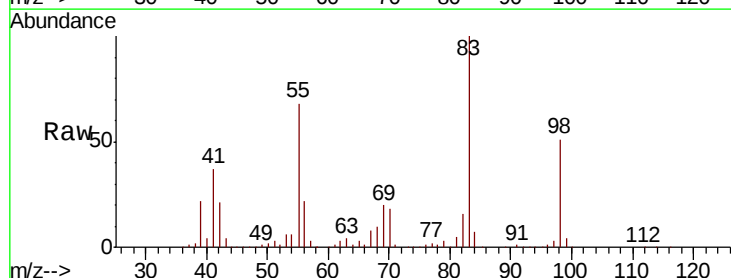
Tgt Ion: 83 Resp: 212493

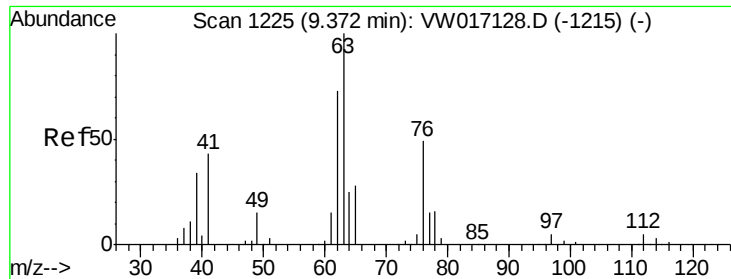
Ion Ratio Lower Upper

83 100

55 68.6 54.4 81.6

98 51.0 40.5 60.7

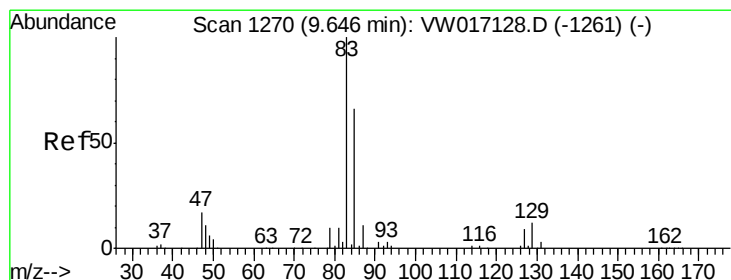
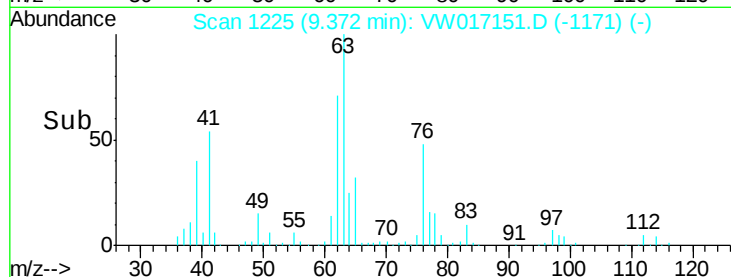
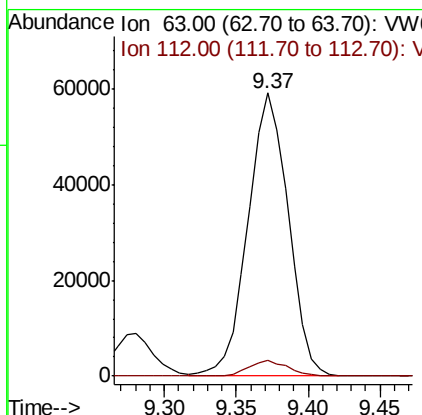
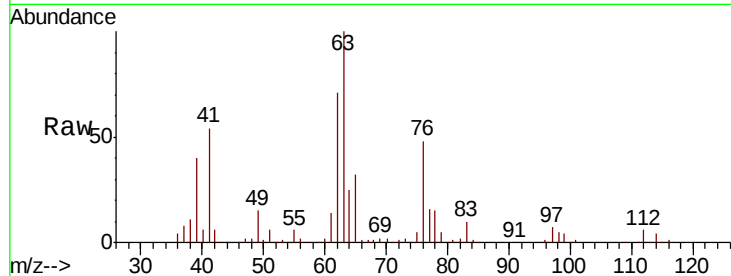




#40
 1,2-Dichloropropane
 Concen: 23.774 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017151.D
 Acq: 10 Nov 2020 19:32

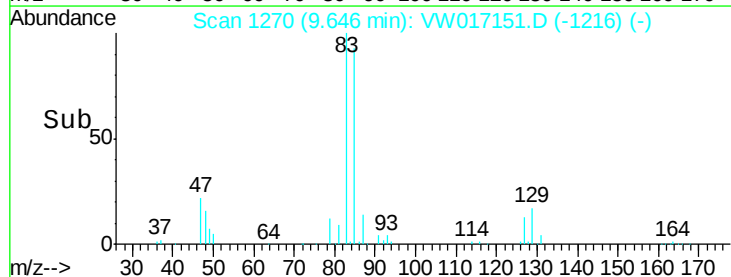
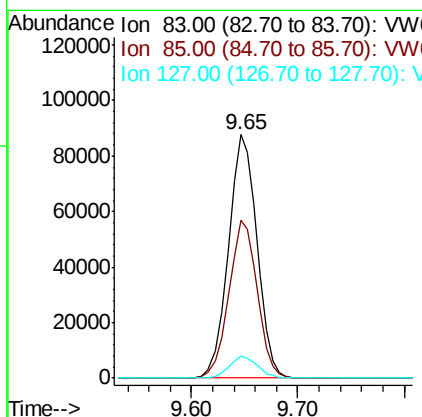
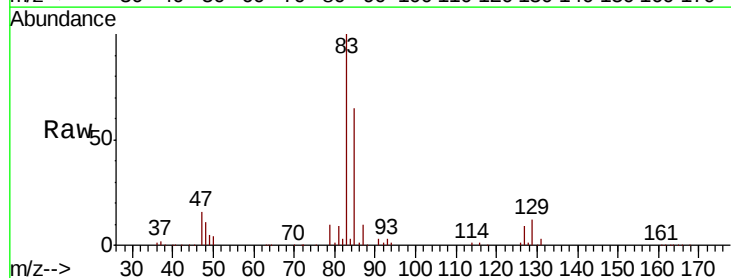
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

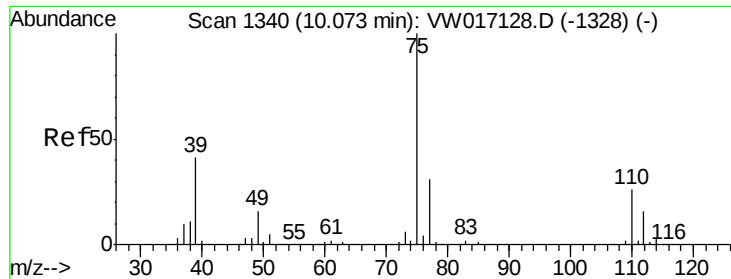
Tot Ion: 63 Resp: 114858
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.2 6.2



#41
 Bromodichloromethane
 Concen: 24.631 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017151.D
 Acq: 10 Nov 2020 19:32

Tgt Ion: 83 Resp: 164586
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.4 82.4
 127 8.9 7.3 10.9

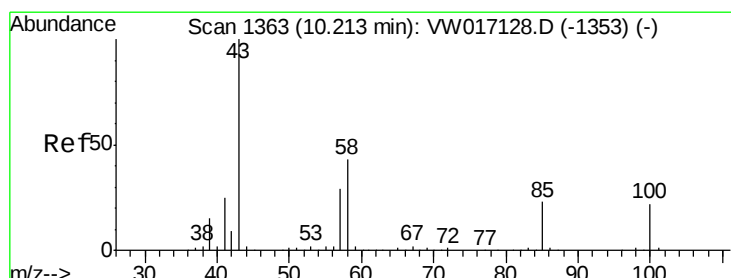
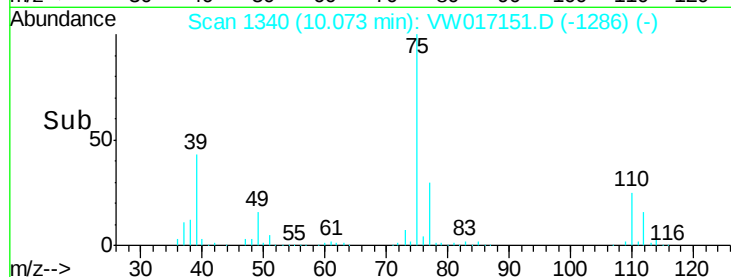
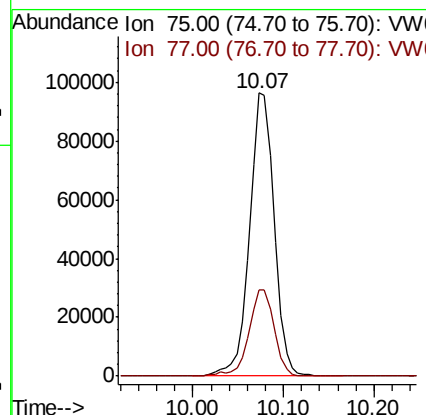
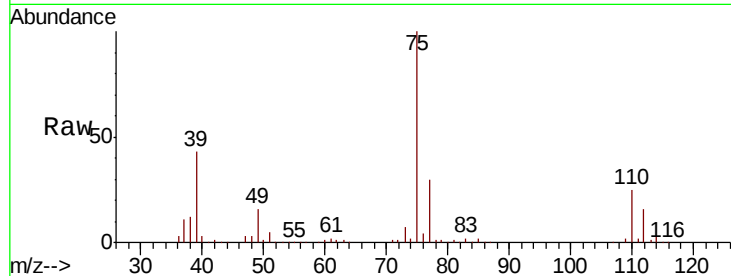




#42
 cis-1,3-Dichloropropene
 Concen: 23.732 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017151.D
 Acq: 10 Nov 2020 19:32

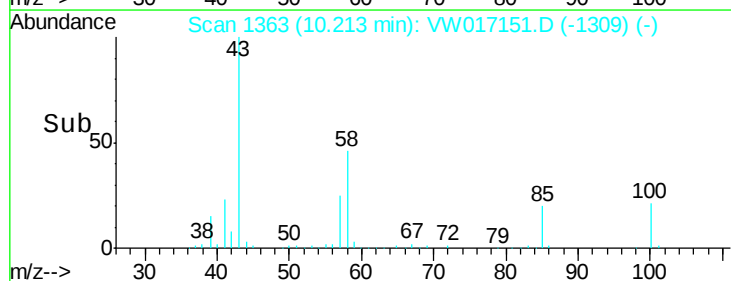
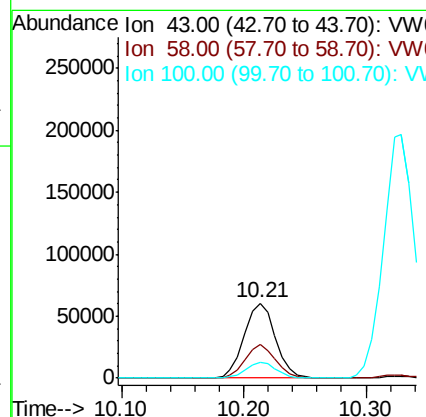
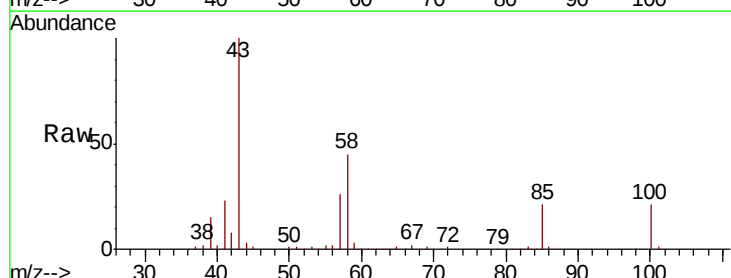
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

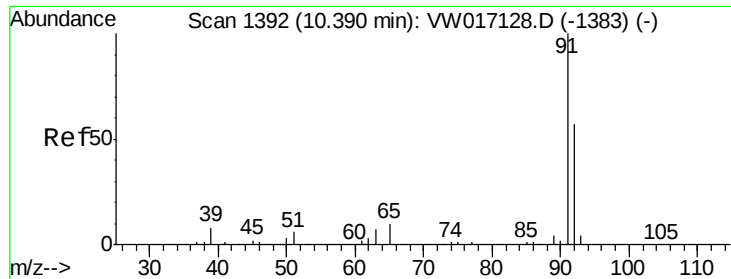
Tot Ion: 75 Resp: 181610
 Ion Ratio Lower Upper
 75 100
 77 30.3 22.0 41.0



#43
 4-Methyl-2-pentanone
 Concen: 36.108 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW017151.D
 Acq: 10 Nov 2020 19:32

Tgt Ion: 43 Resp: 107629
 Ion Ratio Lower Upper
 43 100
 58 43.7 35.0 52.6
 100 20.3 16.6 24.8





#44

Toluene

Concen: 24.711 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

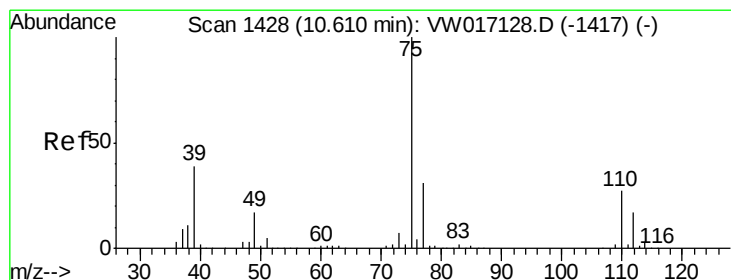
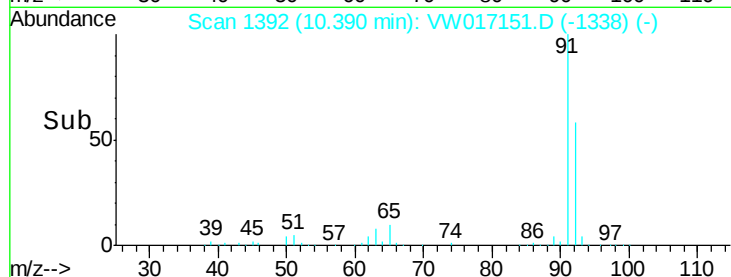
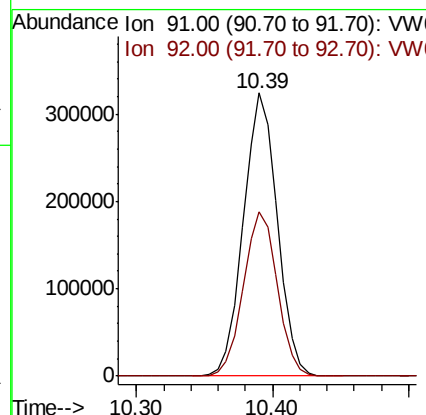
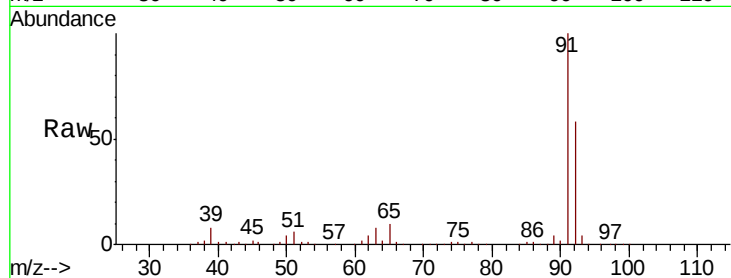
VSTD02521

Tot Ion: 91 Resp: 562160

Ion Ratio Lower Upper

91 100

92 58.1 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 22.778 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017151.D

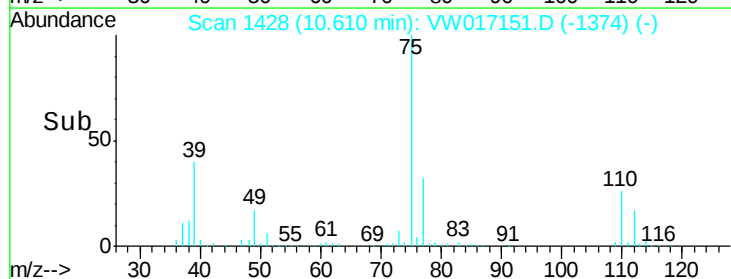
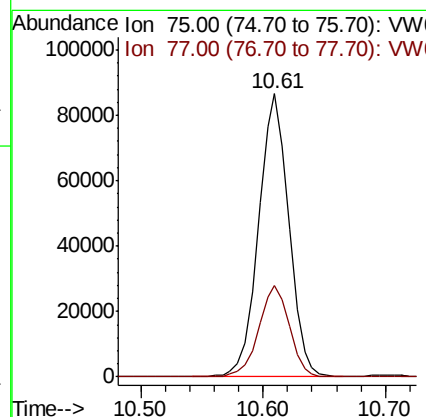
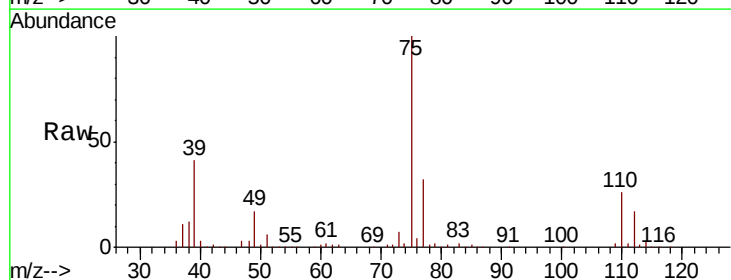
Acq: 10 Nov 2020 19:32

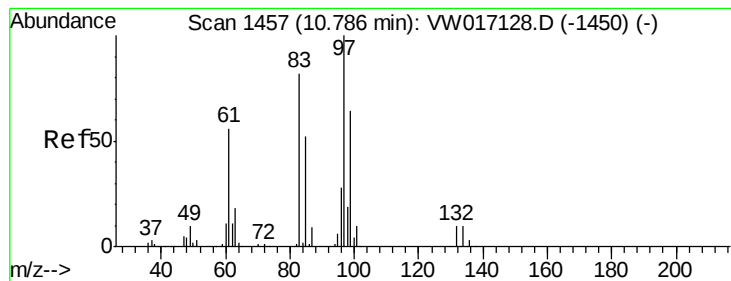
Tgt Ion: 75 Resp: 149693

Ion Ratio Lower Upper

75 100

77 32.2 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 21.893 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

Tot Ion: 97 Resp: 91196

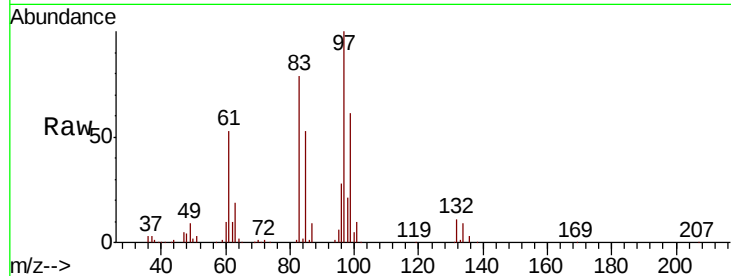
Ion Ratio Lower Upper

97 100

83 78.7 57.3 106.5

85 52.7 37.2 69.0

99 61.0 45.7 84.9



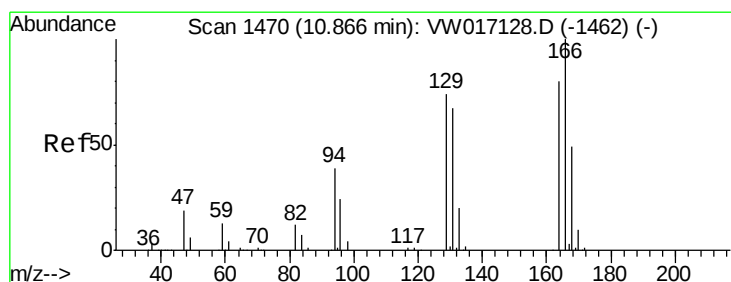
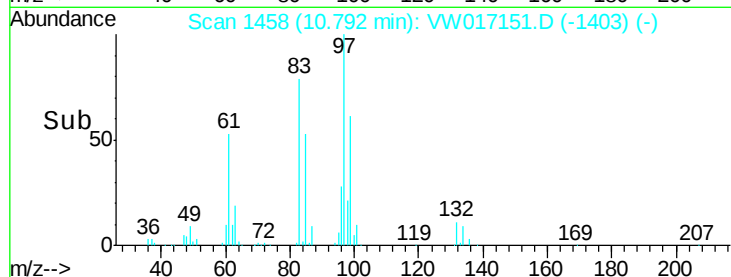
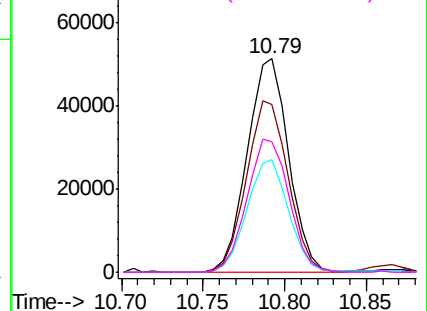
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 23.671 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Tgt Ion: 164 Resp: 123644

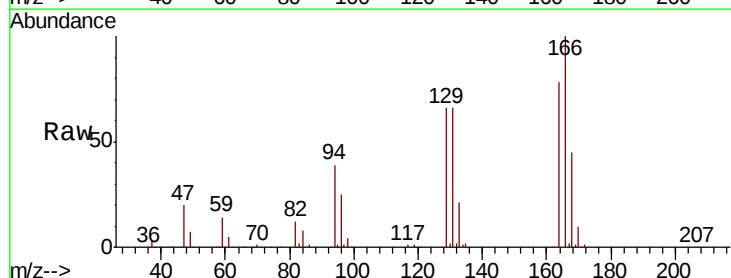
Ion Ratio Lower Upper

164 100

129 84.8 62.9 116.7

131 83.7 63.3 117.5

166 127.7 92.0 170.8



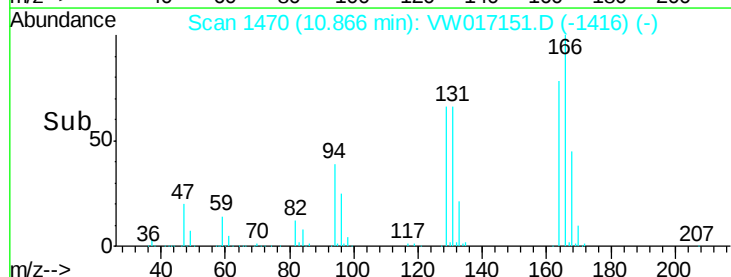
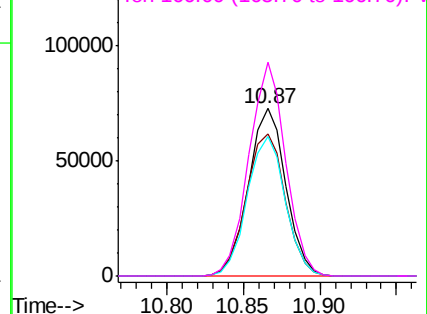
Abundance

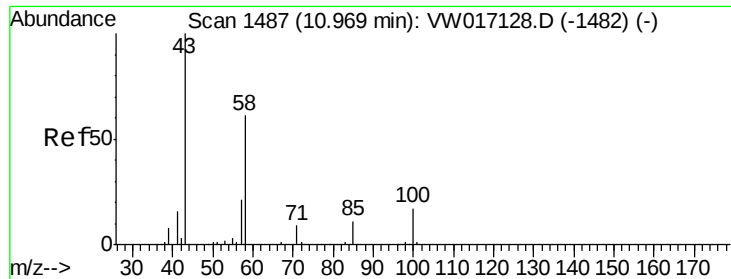
Ion 164.00 (163.70 to 164.70): V

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: 39.107 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

Tot Ion: 43 Resp: 70276

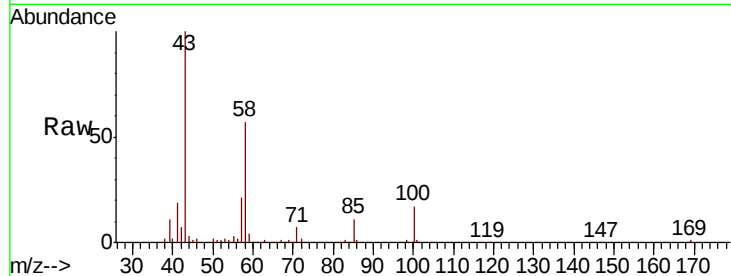
Ion Ratio Lower Upper

43 100

58 58.9 50.6 75.8

57 20.1 17.8 26.6

100 16.3 13.9 20.9



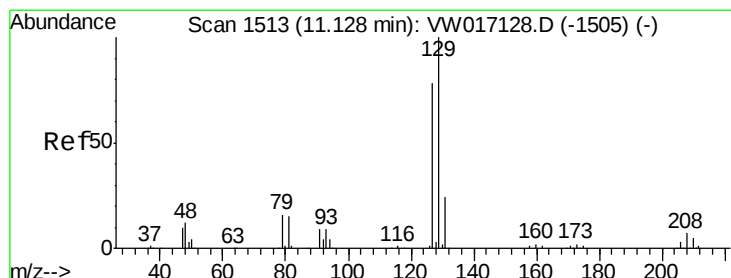
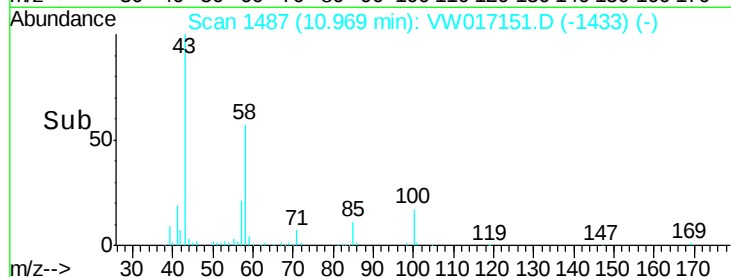
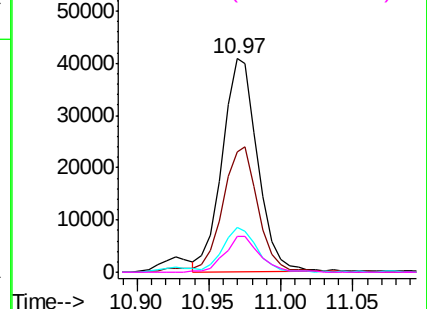
Abundance

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: 22.250 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW017151.D

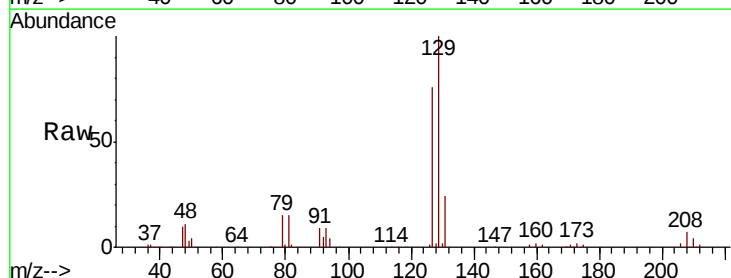
Acq: 10 Nov 2020 19:32

Tgt Ion: 129 Resp: 112914

Ion Ratio Lower Upper

129 100

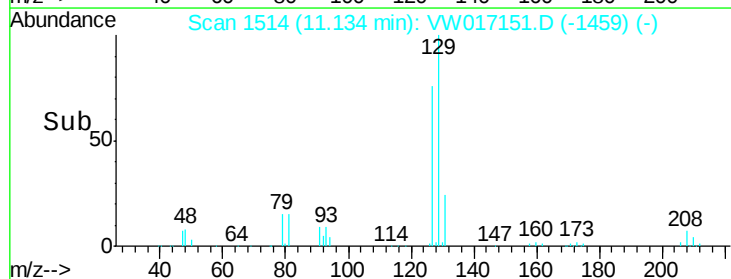
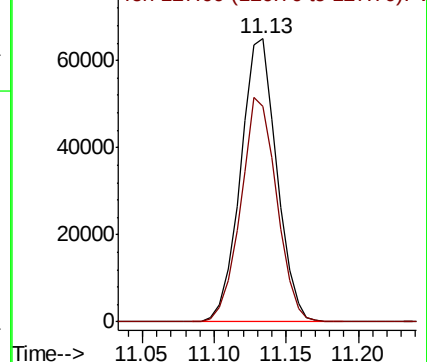
127 76.4 54.3 100.9

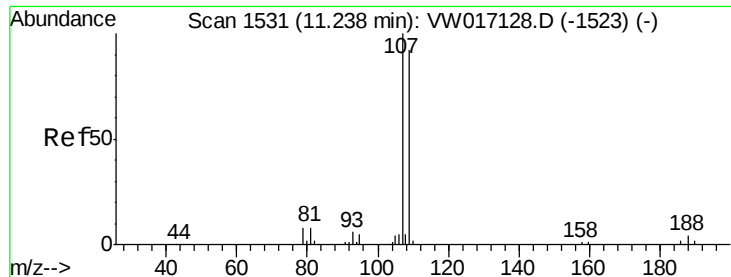


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

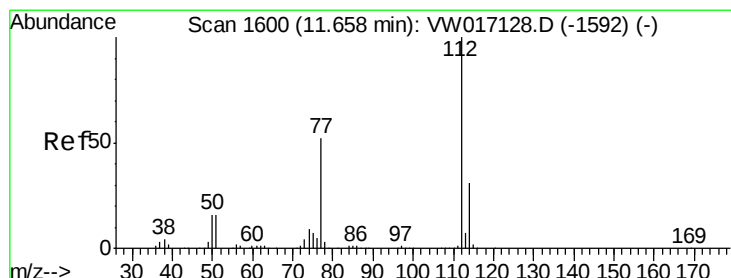
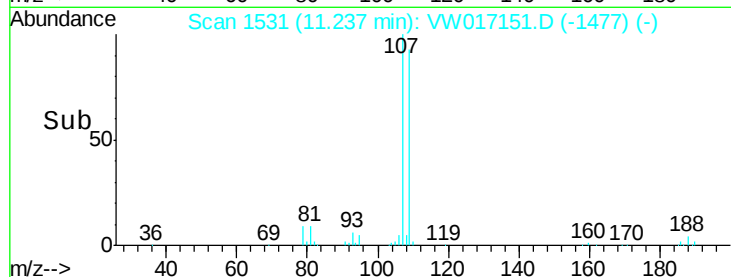
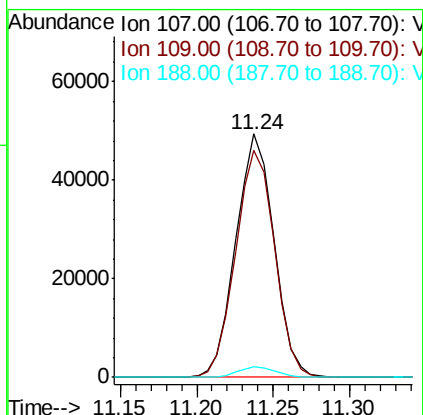
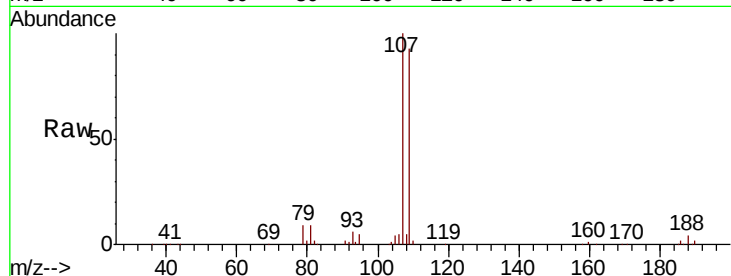




#51
1,2-Dibromoethane
Concen: 21.137 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017151.D
Acq: 10 Nov 2020 19:32

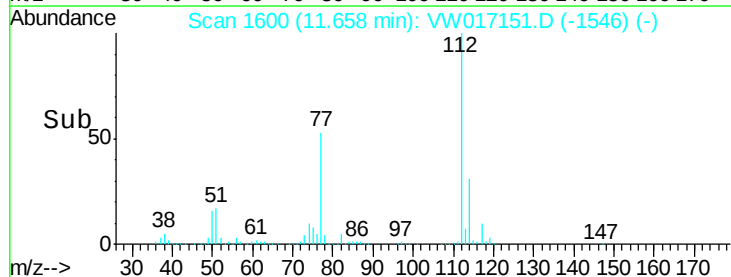
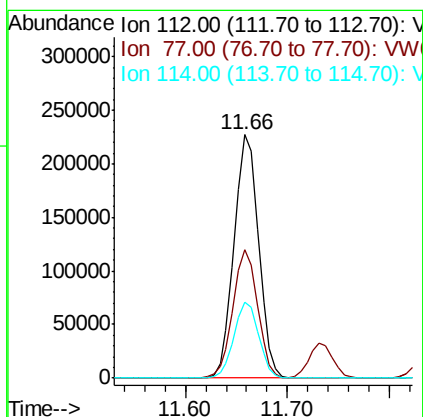
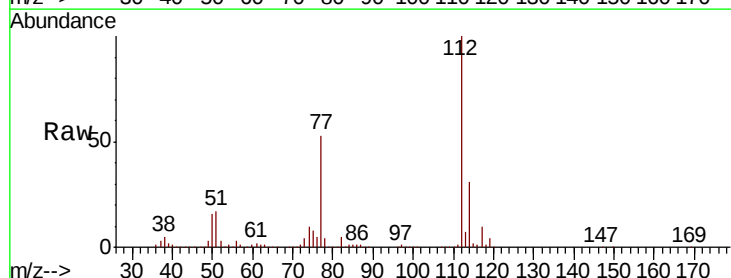
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

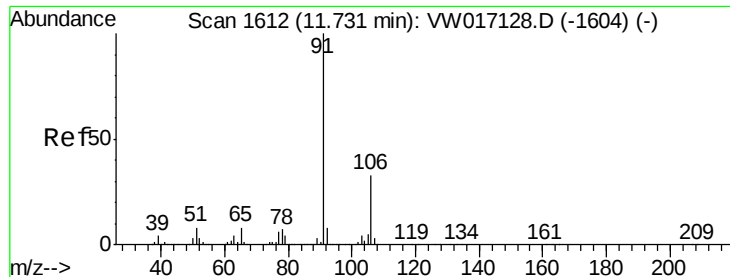
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	64.3	119.5
188	4.3	3.3	4.9



#52
Chlorobenzene
Concen: 24.431 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017151.D
Acq: 10 Nov 2020 19:32

Tgt Ion	Ratio	Lower	Upper
112	100		
77	52.9	41.7	62.5
114	31.4	22.3	41.3





#53

Ethylbenzene

Concen: 24.683 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

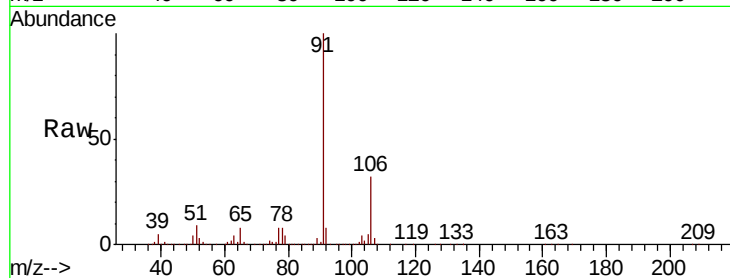
VSTD02521

Tot Ion: 91 Resp: 627213

Ion Ratio Lower Upper

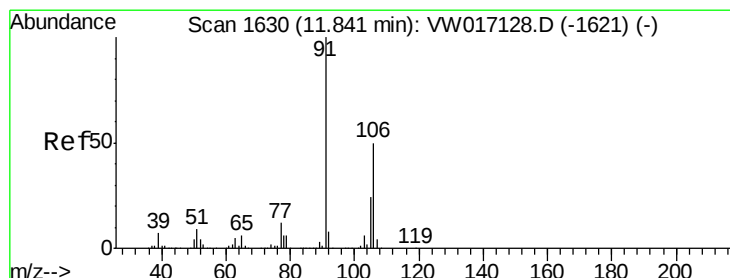
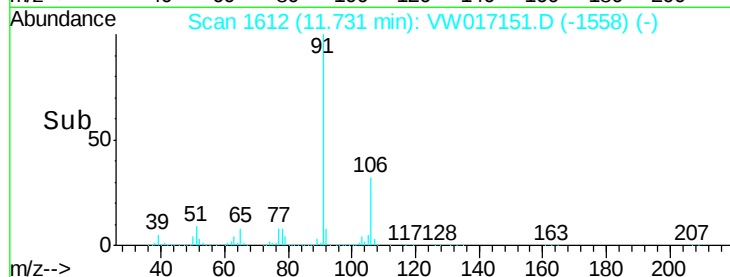
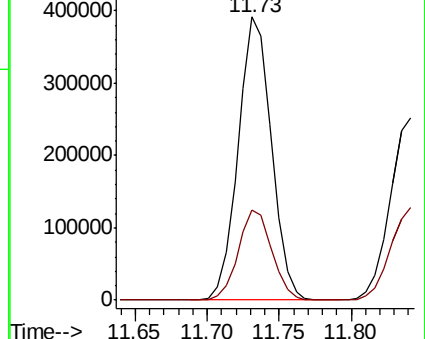
91 100

106 31.6 22.9 42.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 24.684 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017151.D

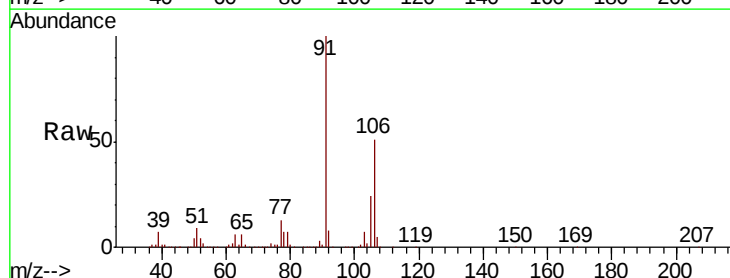
Acq: 10 Nov 2020 19:32

Tgt Ion: 106 Resp: 245356

Ion Ratio Lower Upper

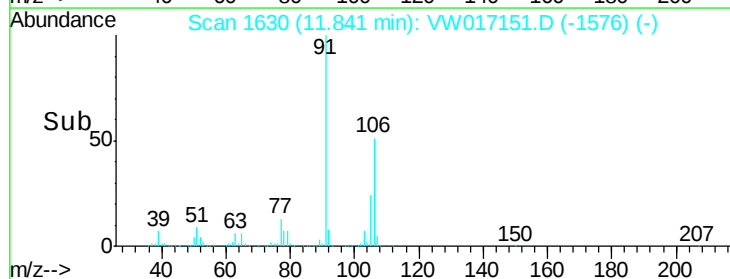
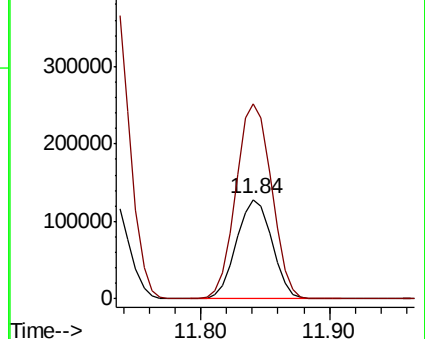
106 100

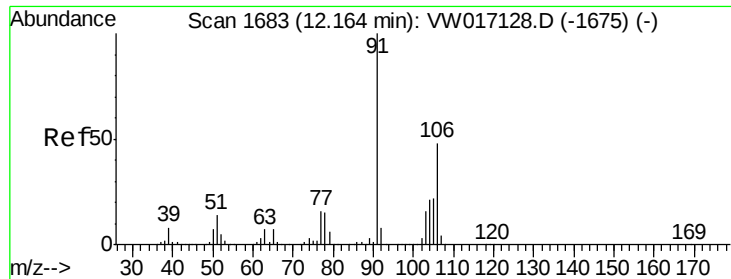
91 195.6 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

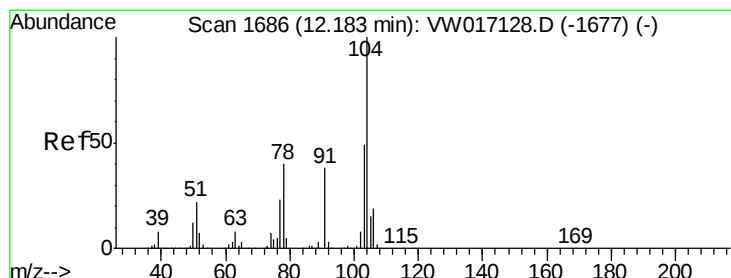
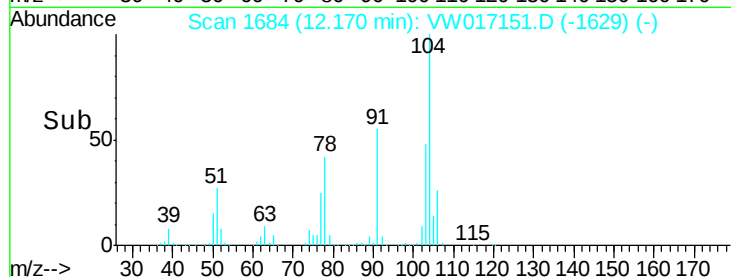
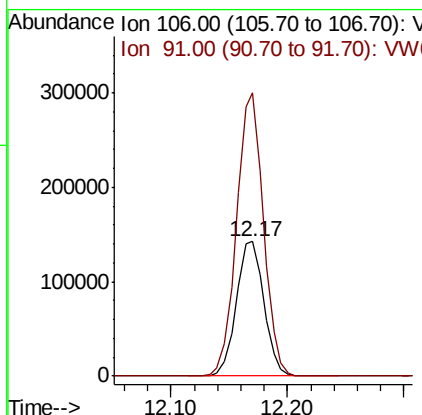
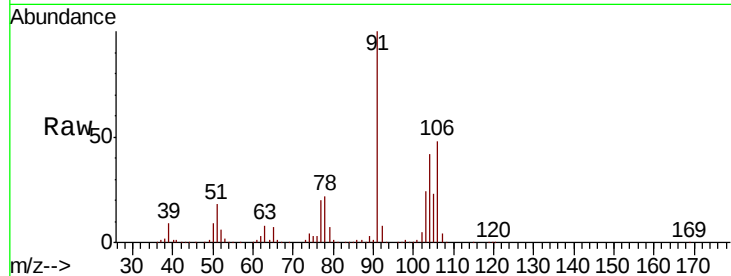




#55
o-xylene
Concen: 24.970 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW017151.D
Acq: 10 Nov 2020 19:32

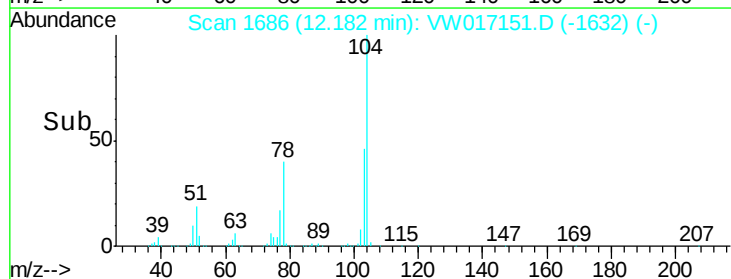
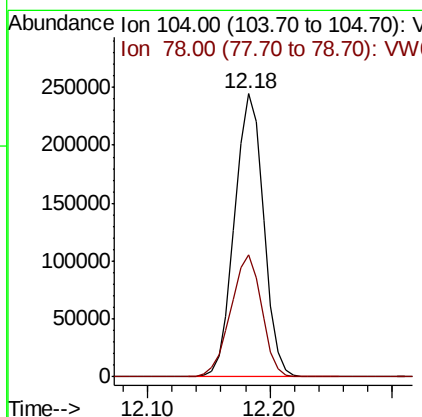
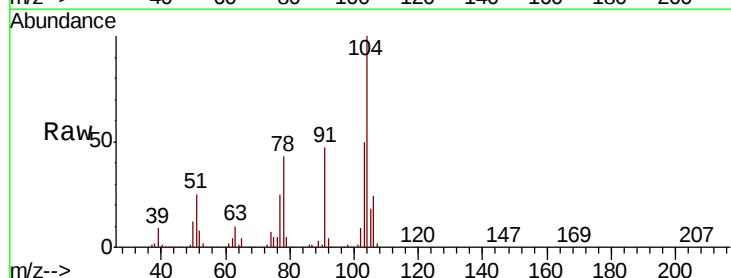
Instrument :
MSVOA_W
ClientSampled :
VSTD02521

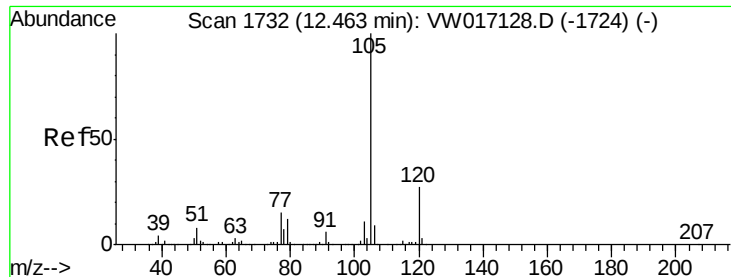
Tot Ion:106 Resp: 235582
Ion Ratio Lower Upper
106 100
91 210.1 140.8 261.4



#56
Styrene
Concen: 25.332 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017151.D
Acq: 10 Nov 2020 19:32

Tgt Ion:104 Resp: 401264
Ion Ratio Lower Upper
104 100
78 43.3 28.2 52.4





#57

Isopropylbenzene

Concen: 25.331 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

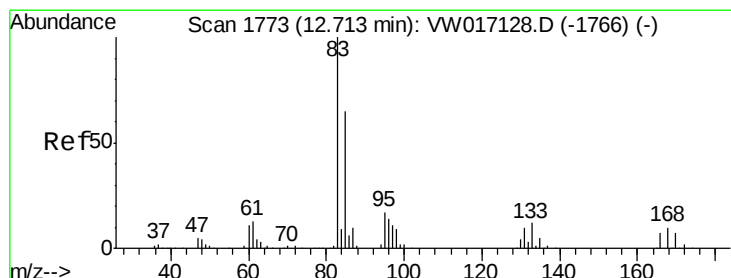
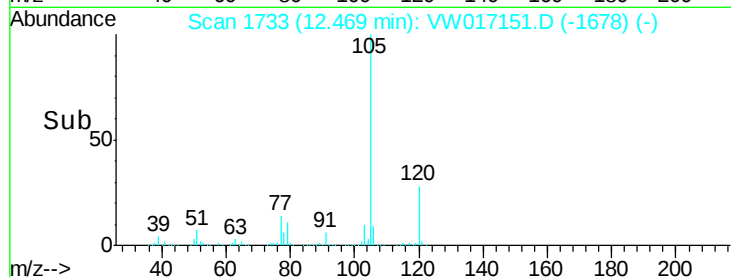
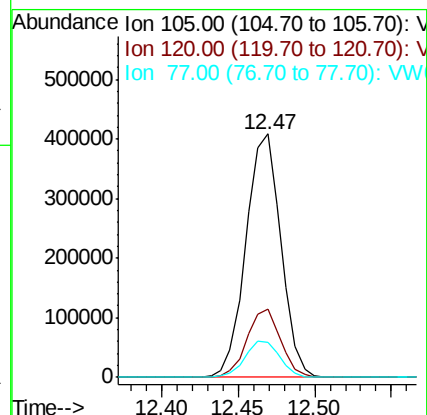
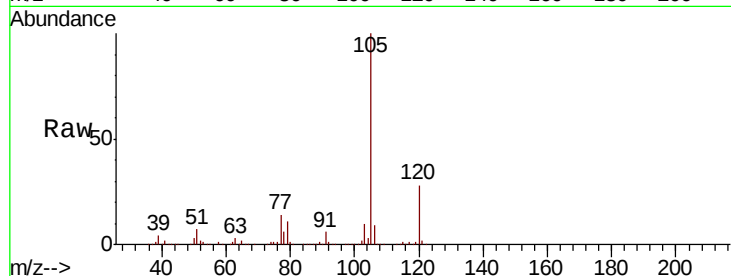
Tot Ion:105 Resp: 648584

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.6

77 14.8 11.4 17.0



#58

1,1,2,2-Tetrachloroethane

Concen: 20.628 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

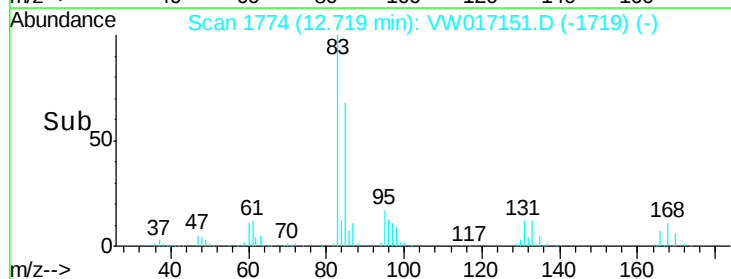
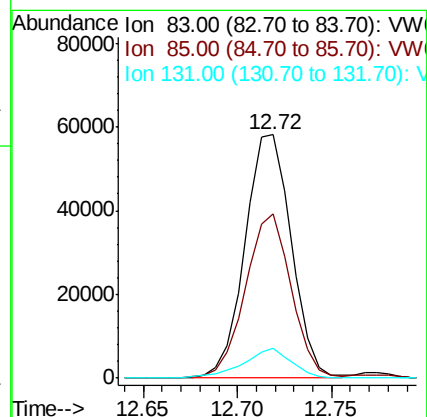
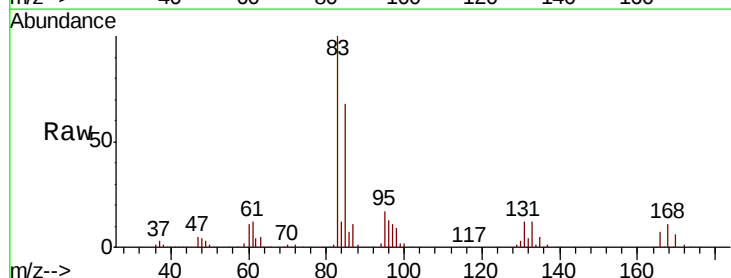
Tgt Ion: 83 Resp: 99264

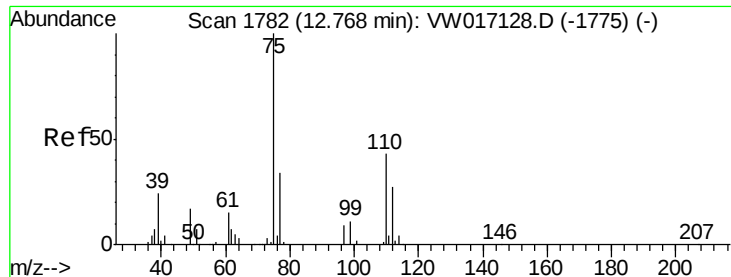
Ion Ratio Lower Upper

83 100

85 67.6 44.9 83.5

131 12.1 8.8 13.2





#59

1,2,3-Trichloropropane

Concen: 20.299 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

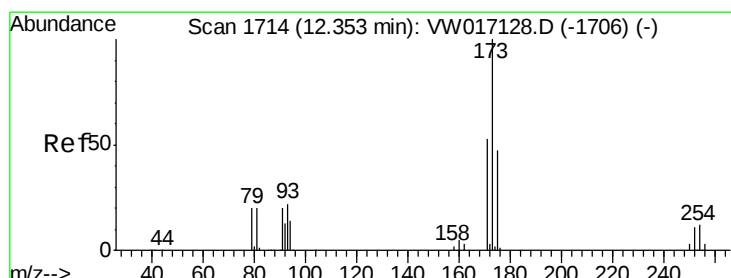
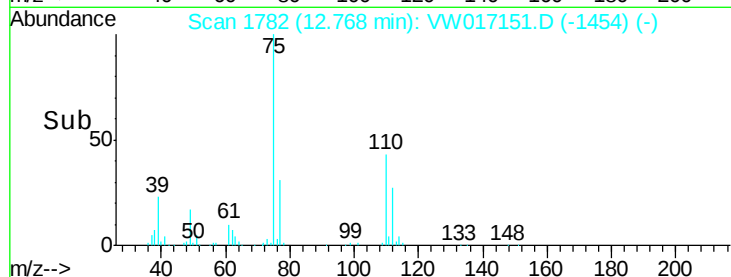
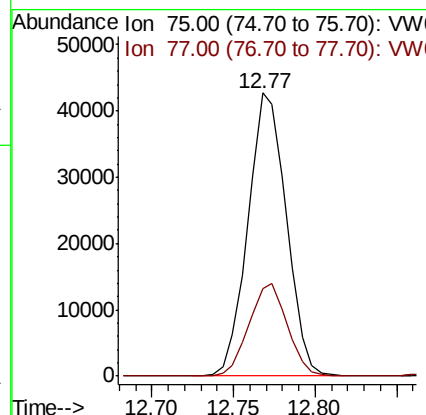
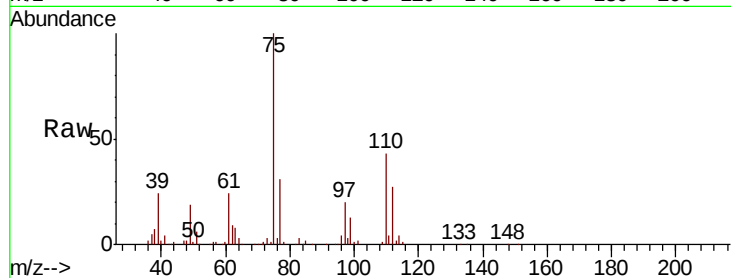
VSTD02521

Tot Ion: 75 Resp: 70212

Ion Ratio Lower Upper

75 100

77 32.5 26.4 39.6



#62

Bromoform

Concen: 21.140 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

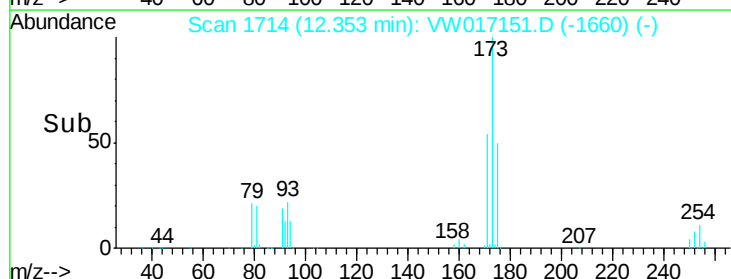
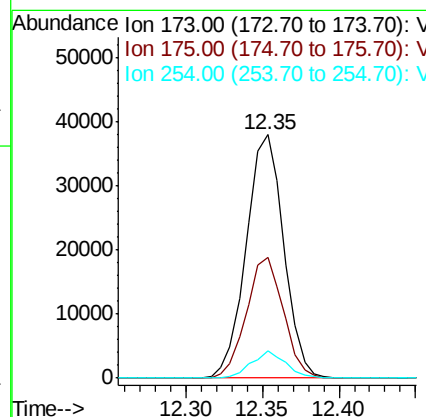
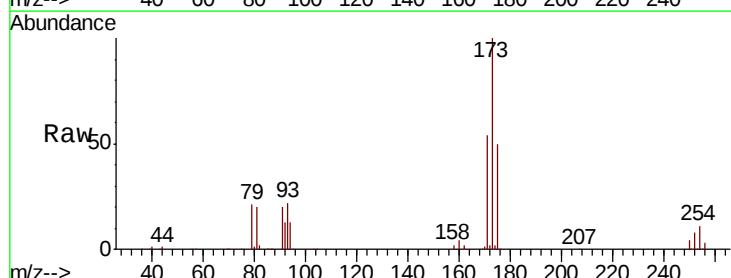
Tgt Ion: 173 Resp: 64746

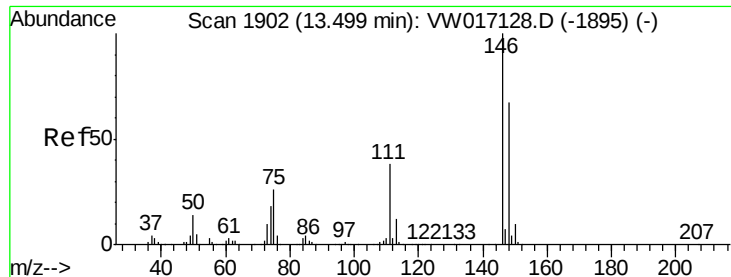
Ion Ratio Lower Upper

173 100

175 49.0 38.3 57.5

254 10.0 8.1 12.1

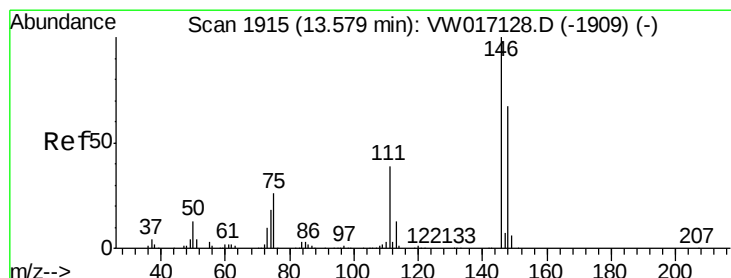
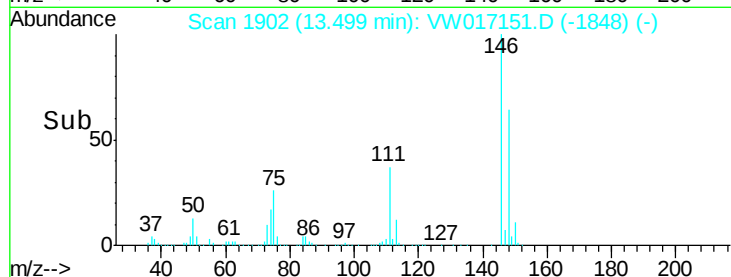
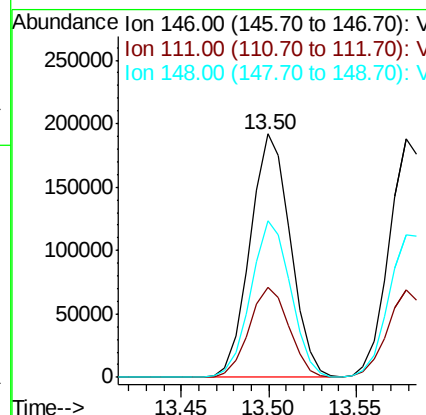
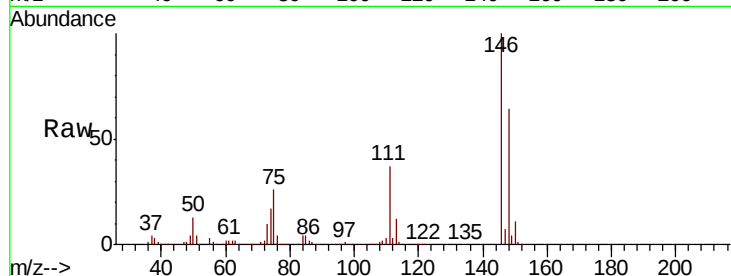




#63
 1,3-Dichlorobenzene
 Concen: 24.751 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017151.D
 Acq: 10 Nov 2020 19:32

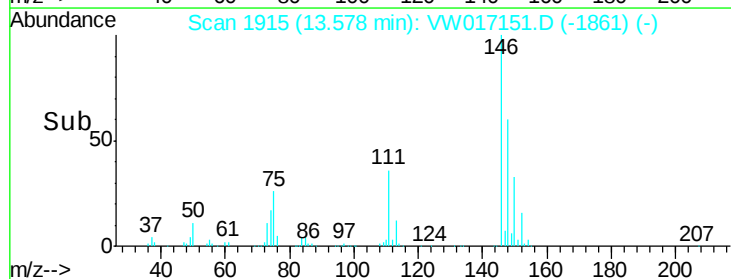
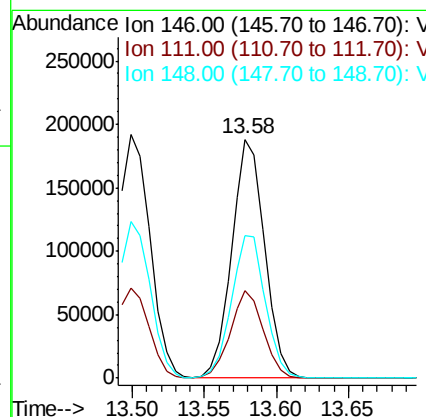
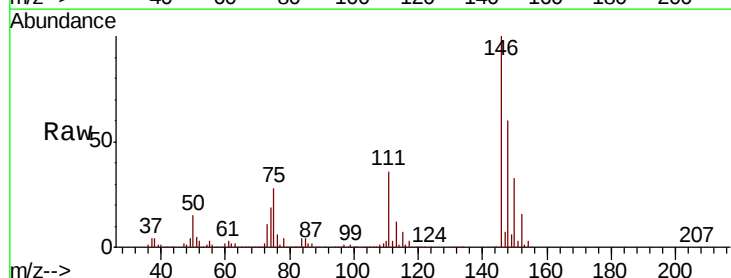
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

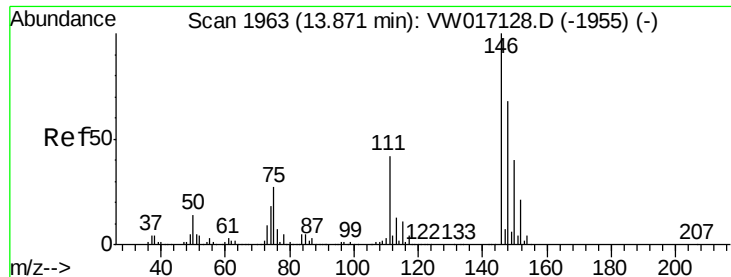
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	26.4	49.0
148	64.2	42.1	78.1



#64
 1,4-Dichlorobenzene
 Concen: 24.125 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017151.D
 Acq: 10 Nov 2020 19:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	24.5	45.5
148	59.6	45.5	84.5

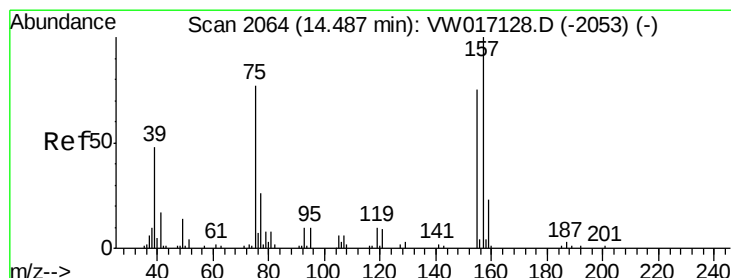
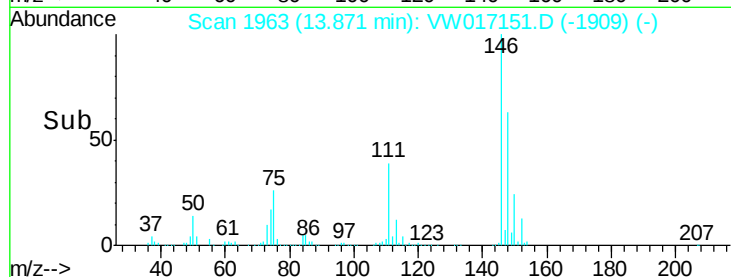
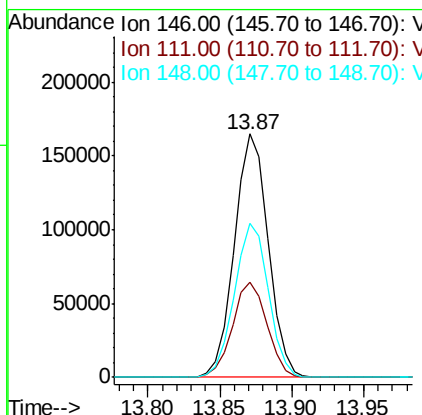
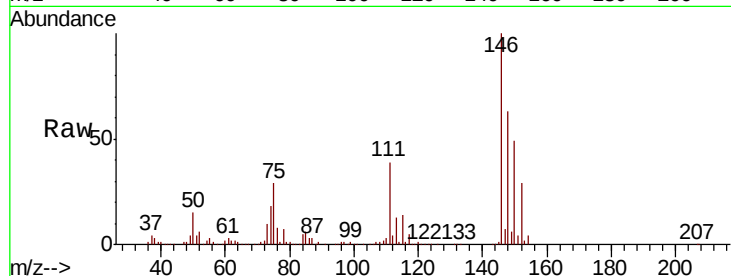




#65
 1,2-Dichlorobenzene
 Concen: 24.062 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017151.D
 Acq: 10 Nov 2020 19:32

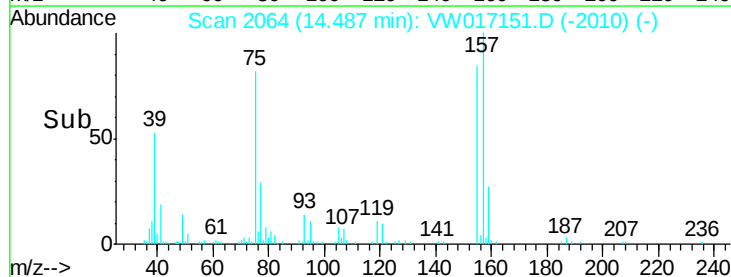
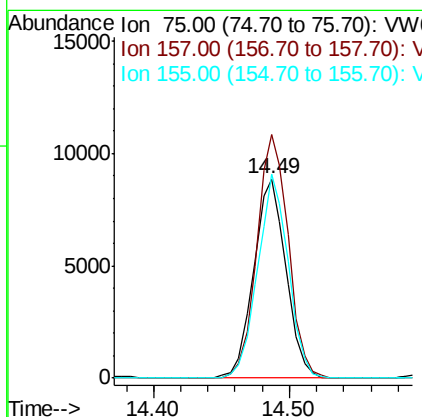
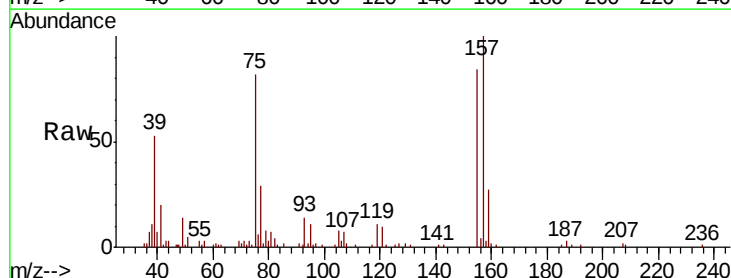
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

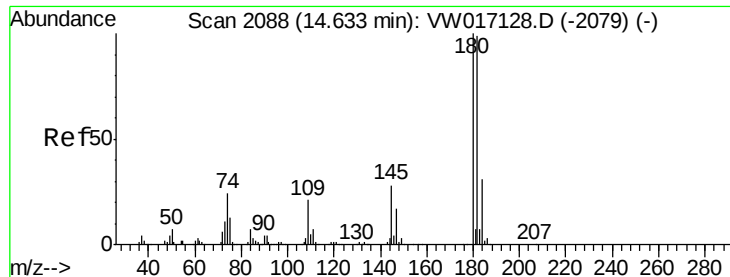
Tot Ion:146 Resp: 269317
 Ion Ratio Lower Upper
 146 100
 111 39.2 30.5 45.7
 148 63.4 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.860 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017151.D
 Acq: 10 Nov 2020 19:32

Tgt Ion: 75 Resp: 14697
 Ion Ratio Lower Upper
 75 100
 157 122.4 108.2 162.4
 155 102.9 79.1 118.7

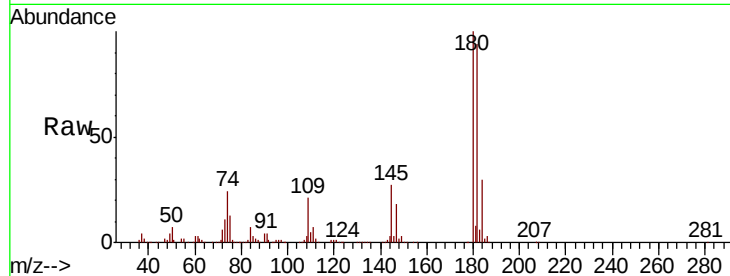




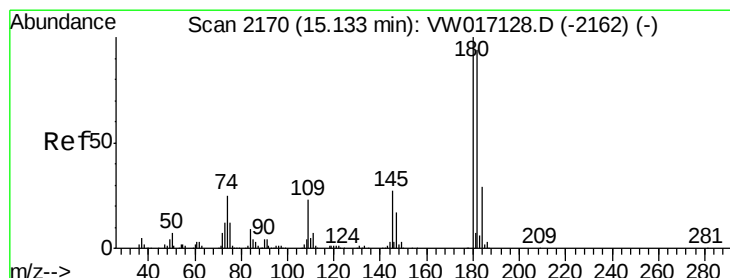
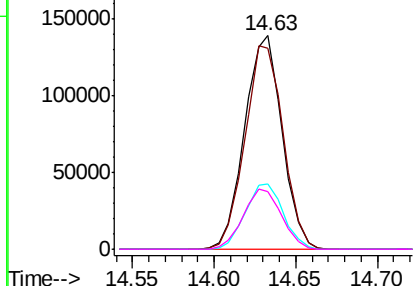
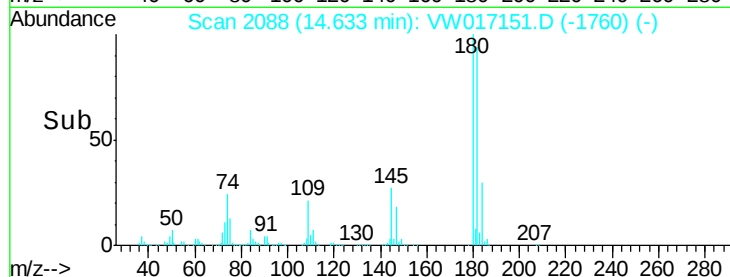
#67
 1,3,5-Trichlorobenzene
 Concen: 24.286 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW017151.D
 Acq: 10 Nov 2020 19:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tot Ion:180	Resp:	222121
Ion	Ratio	Lower Upper
180	100	
182	97.1	77.2 115.8
184	31.0	24.2 36.4
145	28.7	23.5 35.3

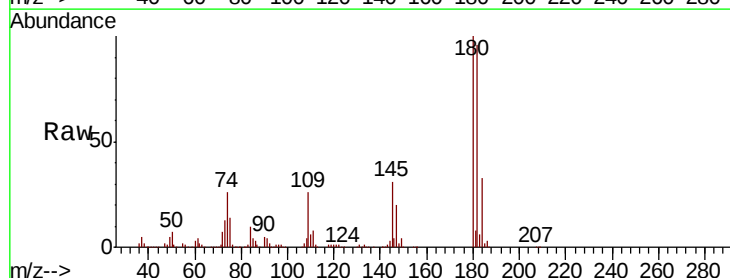


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

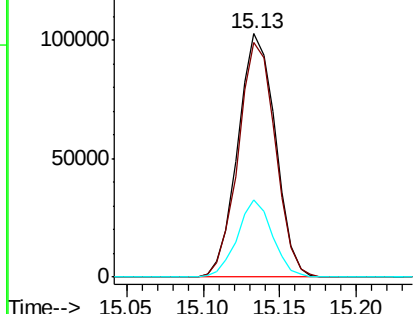
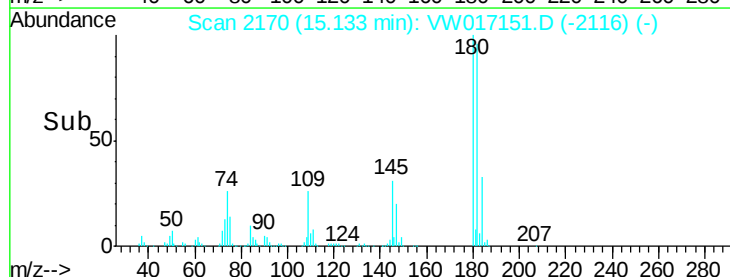


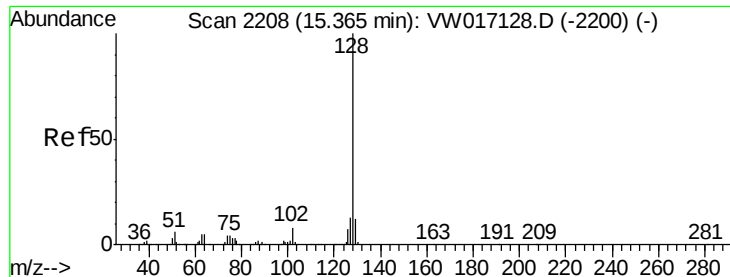
#68
 1,2,4-trichlorobenzene
 Concen: 23.963 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017151.D
 Acq: 10 Nov 2020 19:32

Tgt Ion:180	Resp:	174900
Ion	Ratio	Lower Upper
180	100	
182	95.4	76.7 115.1
145	29.8	23.6 35.4



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





#69

Naphthalene

Concen: 22.072 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

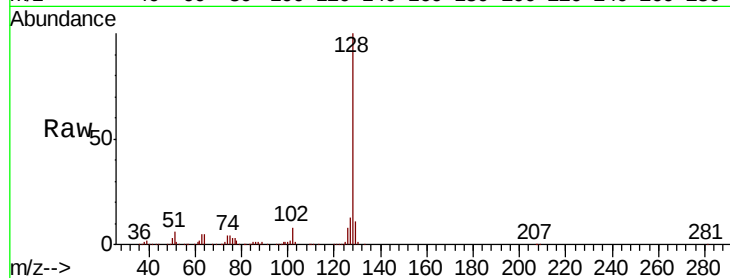
Tot Ion:128 Resp: 296461

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

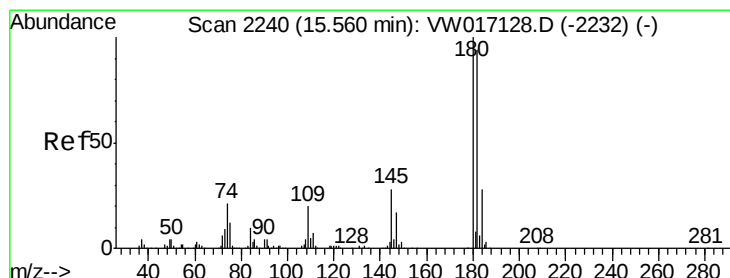
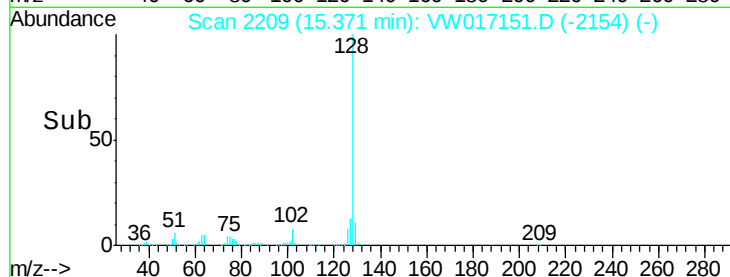
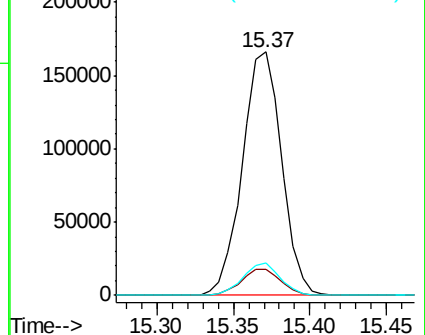
127 12.7 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.320 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW017151.D

Acq: 10 Nov 2020 19:32

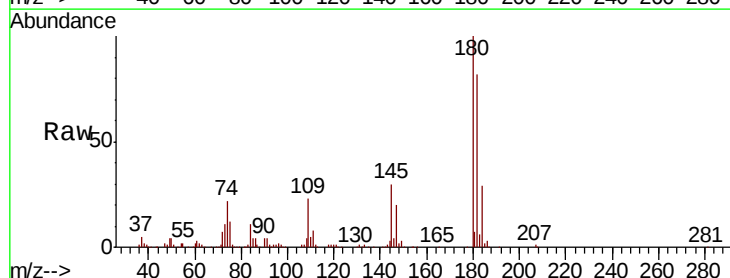
Tgt Ion:180 Resp: 155521

Ion Ratio Lower Upper

180 100

182 91.4 75.5 113.3

145 30.4 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

