

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111820\
 Data File : VW017322.D
 Acq On : 18 Nov 2020 12:09
 Operator : SY/VA
 Sample : VSTD02501
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

Quant Time: Nov 18 12:52:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 12:44:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	386791	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	347633	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	183866	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	132937	27.63	ug/L	0.00
7) Chloroethane-d5	2.90	69	107201	28.53	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	240295	27.60	ug/L	0.00
20) 2-Butanone-d5	7.08	46	41026	40.21	ug/L	0.00
24) Chloroform-d	7.65	84	243694	27.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	115062	26.02	ug/L	0.00
29) Benzene-d6	8.28	84	483595	27.52	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	128215	26.57	ug/L	0.00
37) Toluene-d8	10.32	98	459957	27.66	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	54917	25.53	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	32023	40.53	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	91933	22.62	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	159574	25.31	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	90340	23.886	ug/L 100
3) Chloromethane	2.21	50	92618	25.930	ug/L 100
5) Vinyl chloride	2.37	62	143397	27.403	ug/L 100
6) Bromomethane	2.79	94	102755	28.028	ug/L 100
8) Chloroethane	2.93	64	88365	27.820	ug/L 100
9) Trichlorofluoromethane	3.27	101	123030	28.651	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	128230	25.802	ug/L 100
12) 1,1-Dichloroethene	4.05	96	124616	26.019	ug/L 100
13) Acetone	4.13	43	28068	40.666	ug/L 100
14) Carbon disulfide	4.39	76	368326	27.658	ug/L 100
15) Methyl Acetate	4.67	43	32623	19.370	ug/L 100
16) Methylene chloride	4.92	84	141861	26.591	ug/L 100
17) Methyl tert-butyl Ether	5.43	73	139977	24.423	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	133564	26.718	ug/L 100
19) 1,1-Dichloroethane	6.22	63	202381	25.855	ug/L 100
21) 2-Butanone	7.18	43	42645	38.816	ug/L 100
22) cis-1,2-Dichloroethene	7.18	96	133329	25.565	ug/L 100
23) Bromochloromethane	7.52	128	60527	24.456	ug/L 100
25) Chloroform	7.68	83	225360	26.347	ug/L 100
27) 1,2-Dichloroethane	8.40	62	127447	25.140	ug/L 100
30) Cyclohexane	7.96	56	175737	26.837	ug/L 100
31) 1,1,1-Trichloroethane	7.88	97	203546	28.179	ug/L 100
32) Carbon tetrachloride	8.07	117	193865	27.855	ug/L 100
34) Benzene	8.33	78	487740	26.643	ug/L 100
35) Trichloroethene	9.09	95	137589	26.652	ug/L 100
36) Methylcyclohexane	9.34	83	227434	27.385	ug/L 100
40) 1,2-Dichloropropane	9.37	63	108552	25.663	ug/L 100
41) Bromodichloromethane	9.65	83	153183	26.145	ug/L 100
42) cis-1,3-Dichloropropene	10.07	75	172345	25.792	ug/L 100
43) 4-Methyl-2-pentanone	10.21	43	92548	37.402	ug/L 100

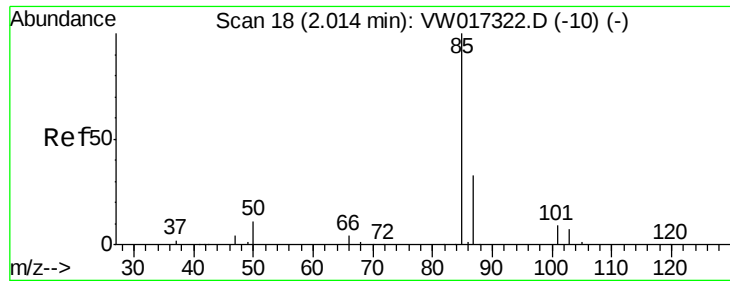
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111820\
 Data File : VW017322.D
 Acq On : 18 Nov 2020 12:09
 Operator : SY/VA
 Sample : VSTD02501
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD02501

Quant Time: Nov 18 12:52:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 12:44:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	542212	26.902	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	144505	25.400	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	81742	22.941	ug/L	100
47) Tetrachloroethene	10.87	164	124321	26.640	ug/L	100
49) 2-Hexanone	10.97	43	61070	40.989	ug/L	100
50) Dibromochloromethane	11.13	129	107567	24.484	ug/L	100
51) 1,2-Dibromoethane	11.24	107	79623	23.068	ug/L	100
52) Chlorobenzene	11.66	112	355352	26.173	ug/L	100
53) Ethylbenzene	11.73	91	616536	27.269	ug/L	100
54) m,p-Xylene	11.84	106	235385	26.803	ug/L	100
55) o-xylene	12.17	106	222841	26.827	ug/L	100
56) Styrene	12.18	104	372448	26.800	ug/L	100
57) Isopropylbenzene	12.46	105	616820	27.265	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	87567	21.693	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	61425	21.220	ug/L	100
62) Bromoform	12.35	173	58284	21.779	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	286933	25.453	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	281201	24.922	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	246305	24.658	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	12574	19.791	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	209681	25.362	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	159868	24.628	ug/L	100
69) Naphthalene	15.36	128	227367	20.128	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	134089	22.928	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 23.886 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Instrument :

MSVOA_W

ClientSampleId :

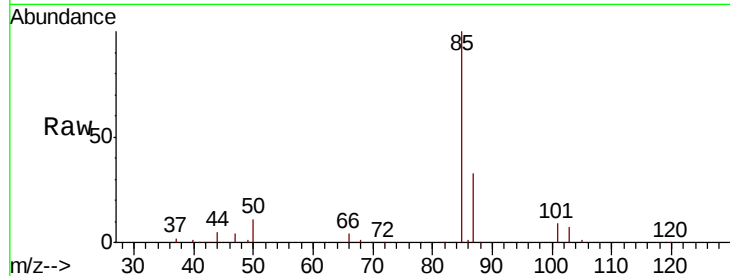
VSTD02501

Tot Ion: 85 Resp: 90340

Ion Ratio Lower Upper

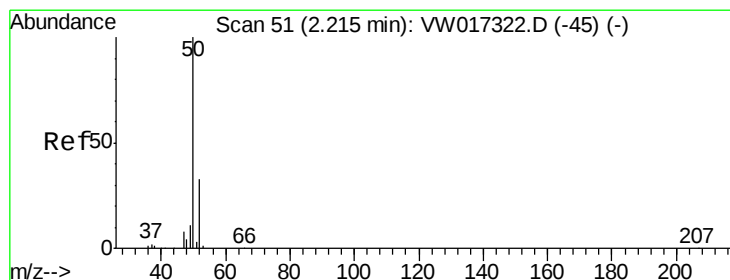
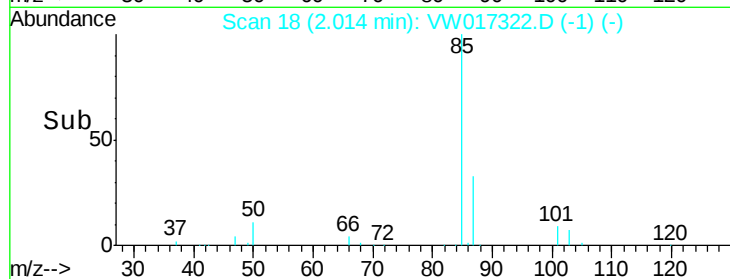
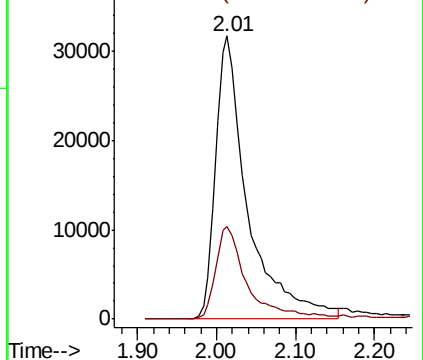
85 100

87 31.1 21.8 40.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 25.930 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017322.D

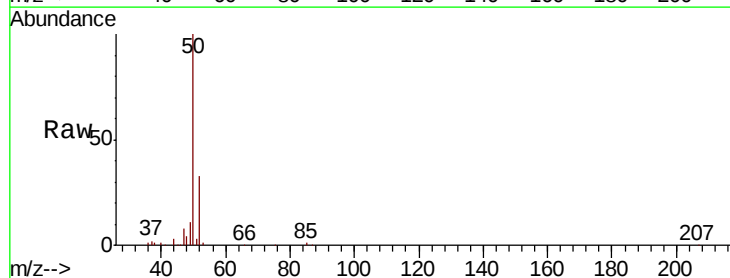
Acq: 18 Nov 2020 12:09

Tgt Ion: 50 Resp: 92618

Ion Ratio Lower Upper

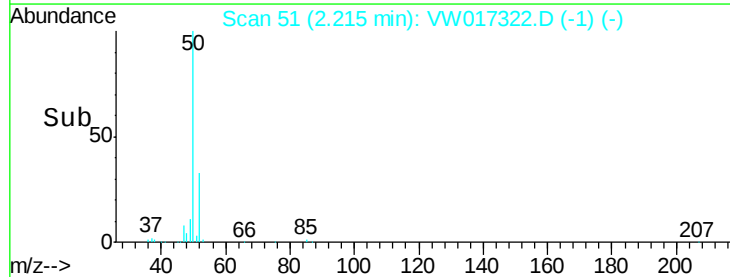
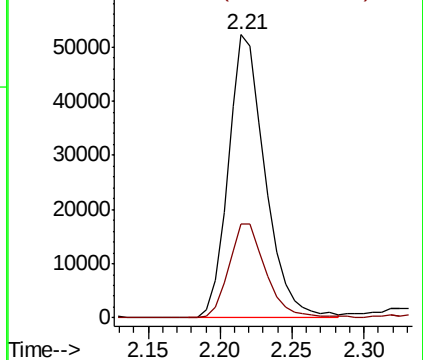
50 100

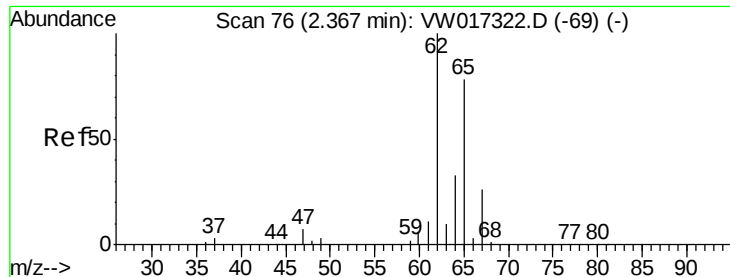
52 33.1 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.403 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Instrument :

MSVOA_W

ClientSampleId :

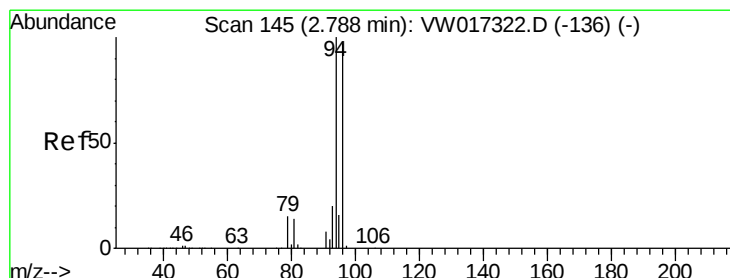
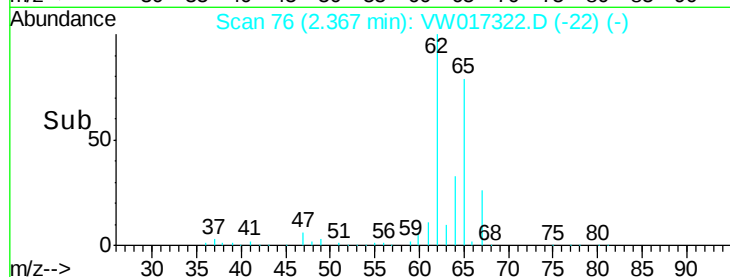
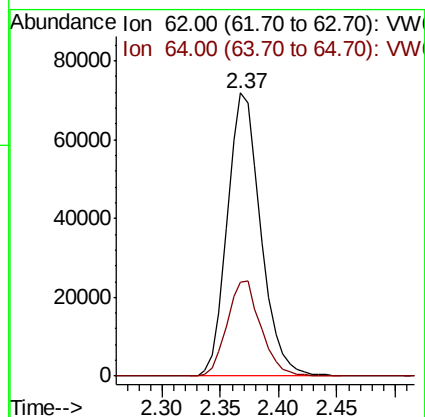
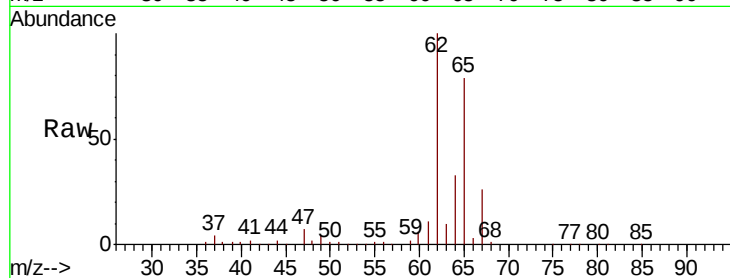
VSTD02501

Tot Ion: 62 Resp: 143397

Ion Ratio Lower Upper

62 100

64 33.4 23.4 43.4



#6

Bromomethane

Concen: 28.028 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW017322.D

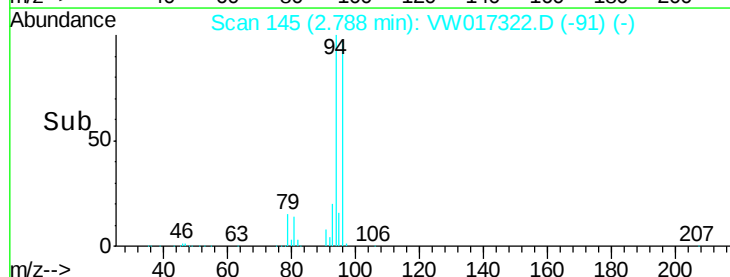
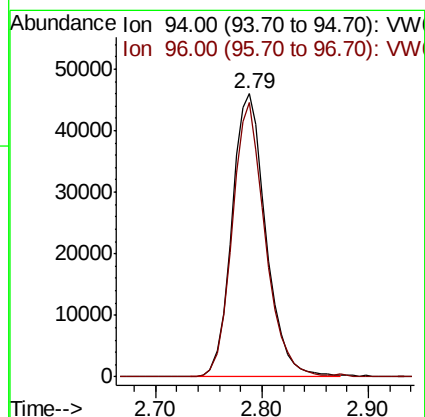
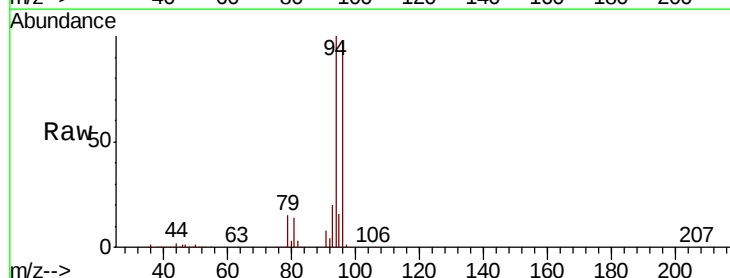
Acq: 18 Nov 2020 12:09

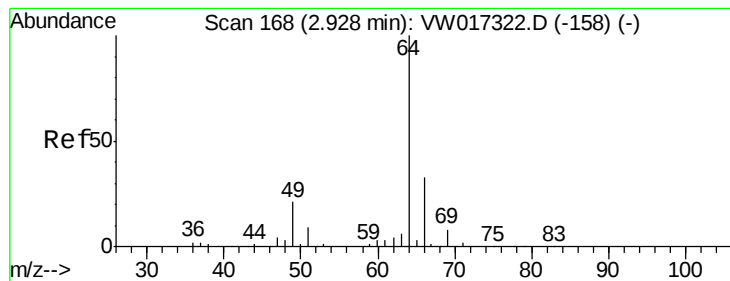
Tgt Ion: 94 Resp: 102755

Ion Ratio Lower Upper

94 100

96 94.0 9.4 178.6





#8

Chloroethane

Concen: 27.820 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Instrument :

MSVOA_W

ClientSampleId :

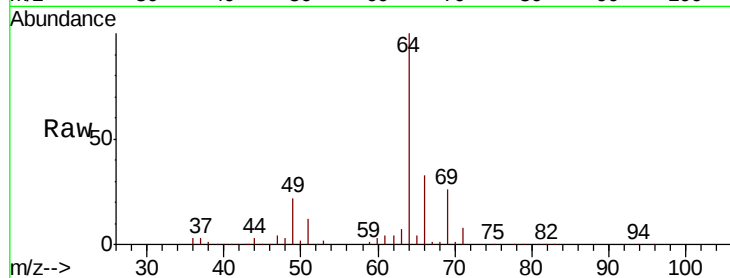
VSTD02501

Tot Ion: 64 Resp: 88365

Ion Ratio Lower Upper

64 100

66 33.1 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.93

40000

30000

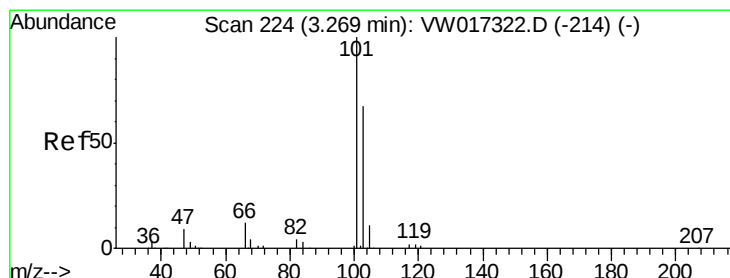
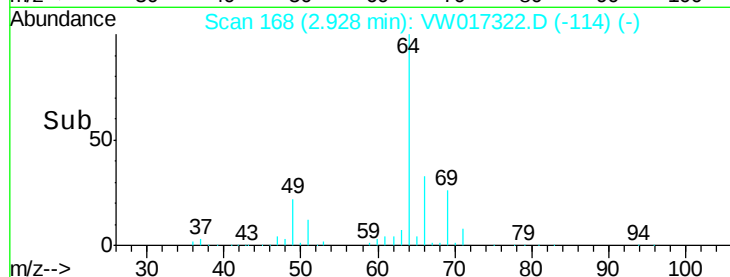
20000

10000

0

Time-->

2.80 2.90 3.00 3.10



#9

Trichlorofluoromethane

Concen: 28.651 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW017322.D

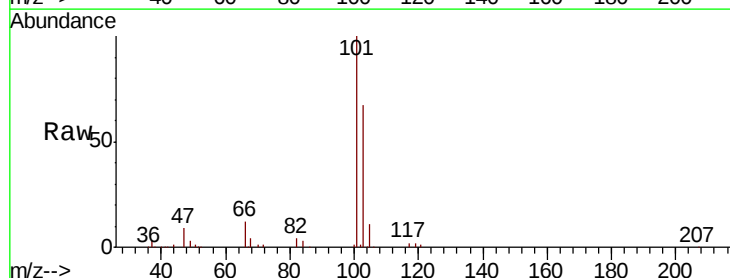
Acq: 18 Nov 2020 12:09

Tgt Ion: 101 Resp: 123030

Ion Ratio Lower Upper

101 100

103 65.5 45.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.27

50000

40000

30000

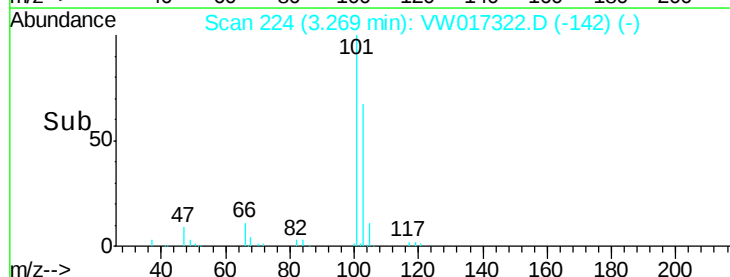
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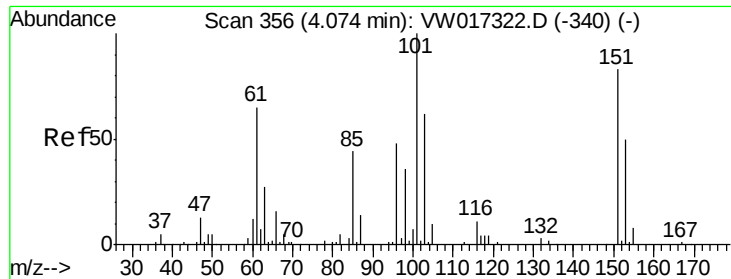
10000

0

Time-->

3.20 3.30 3.40





#11

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

Concen: 25.802 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Instrument :

MSVOA_W

ClientSampled :

VSTD02501

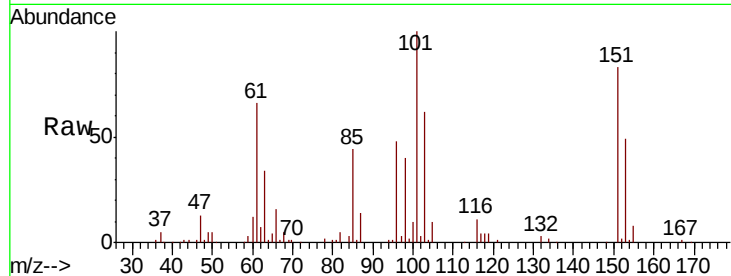
Tot Ion:101 Resp: 128230

Ion Ratio Lower Upper

101 100

85 43.2 34.6 51.8

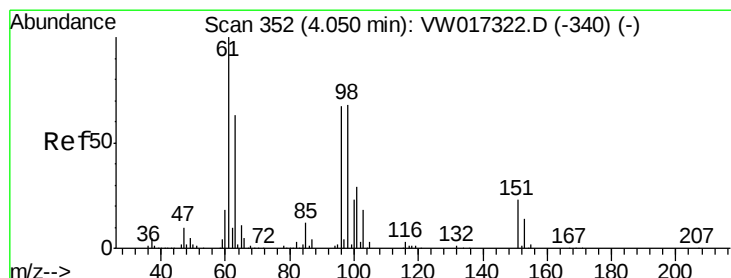
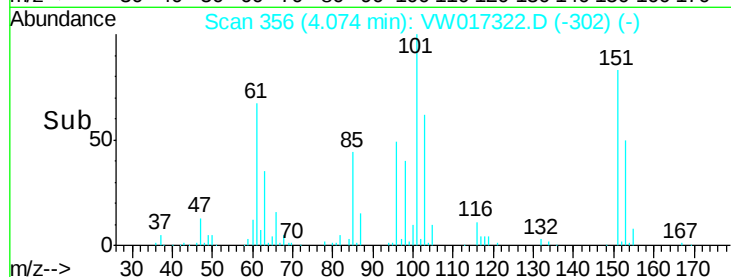
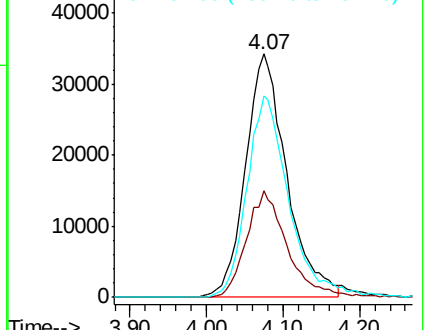
151 82.9 66.3 99.5



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: 26.019 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

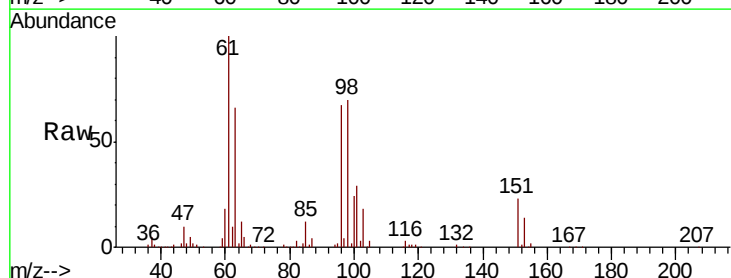
Tgt Ion: 96 Resp: 124616

Ion Ratio Lower Upper

96 100

61 149.5 104.7 194.4

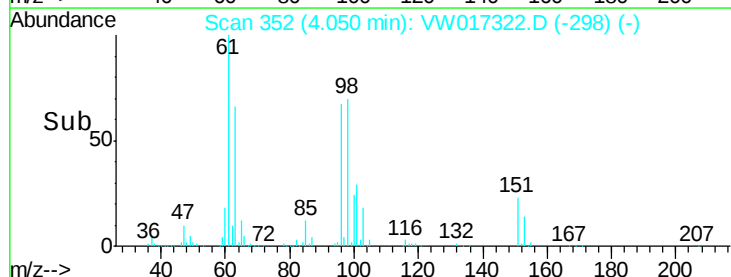
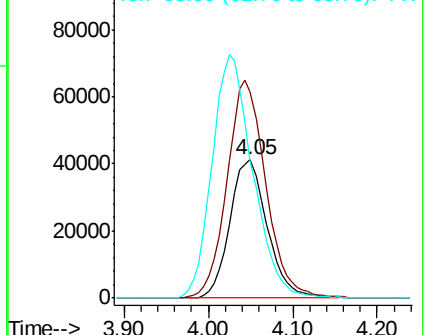
63 99.4 69.6 129.2

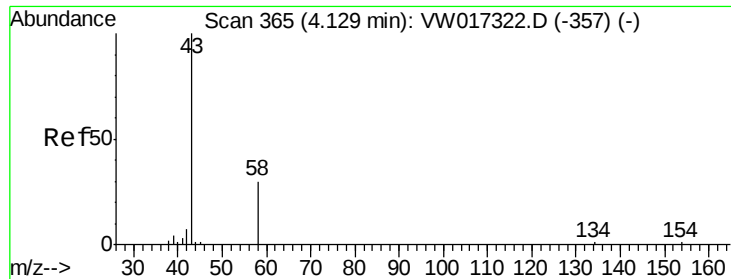


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.666 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Instrument :

MSVOA_W

ClientSampled :

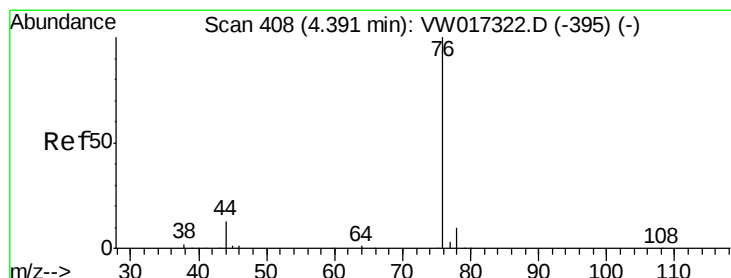
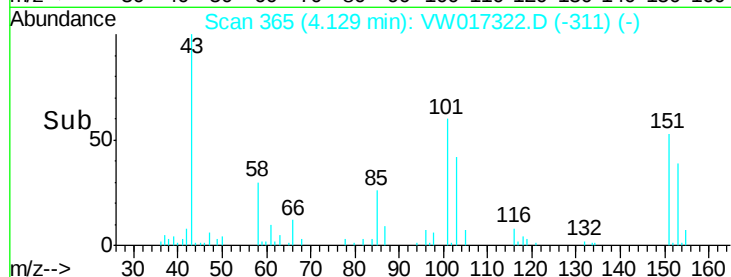
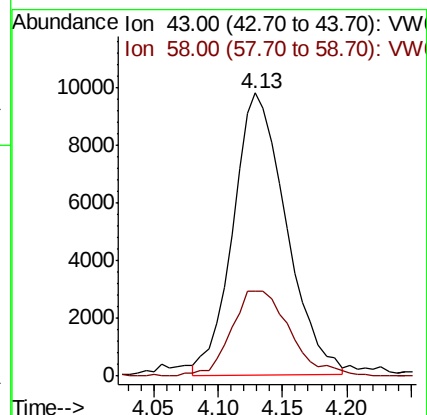
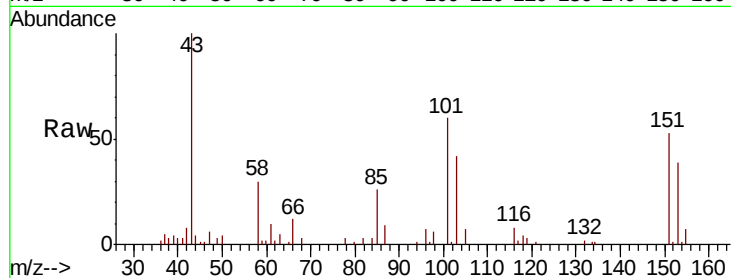
VSTD02501

Tot Ion: 43 Resp: 28068

Ion Ratio Lower Upper

43 100

58 33.5 0.0 67.0



#14

Carbon disulfide

Concen: 27.658 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017322.D

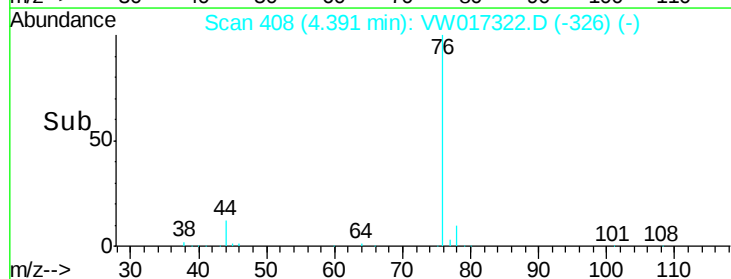
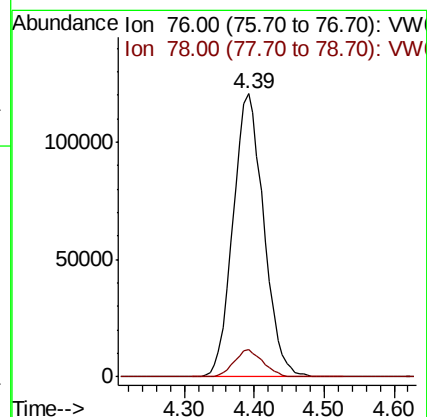
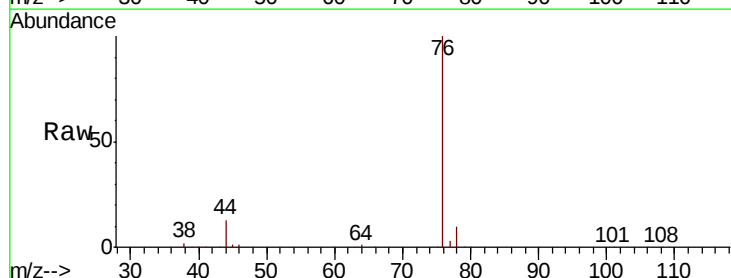
Acq: 18 Nov 2020 12:09

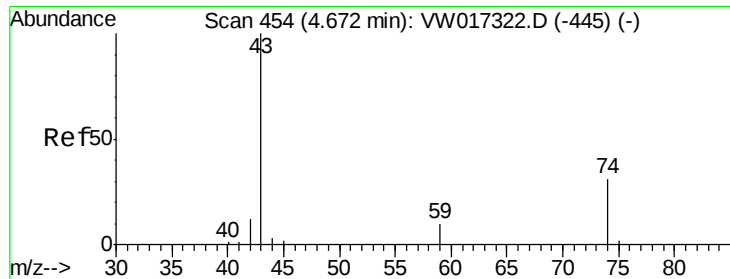
Tgt Ion: 76 Resp: 368326

Ion Ratio Lower Upper

76 100

78 9.7 7.8 11.6

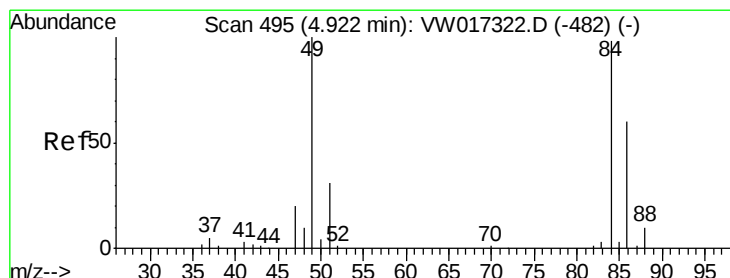
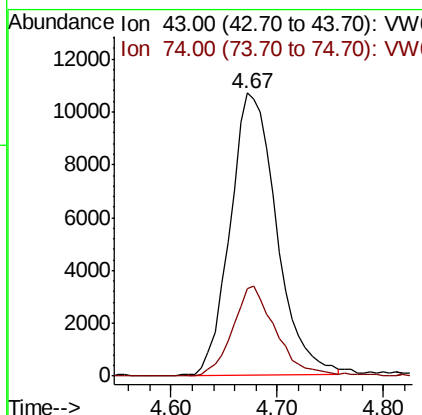
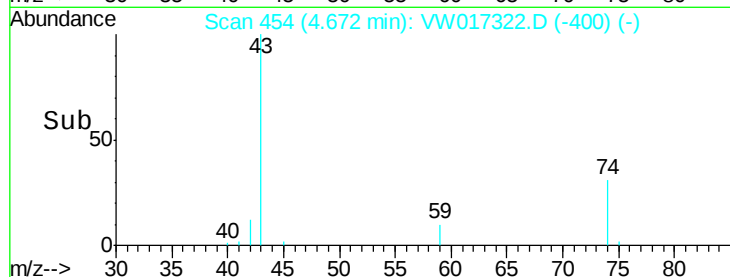
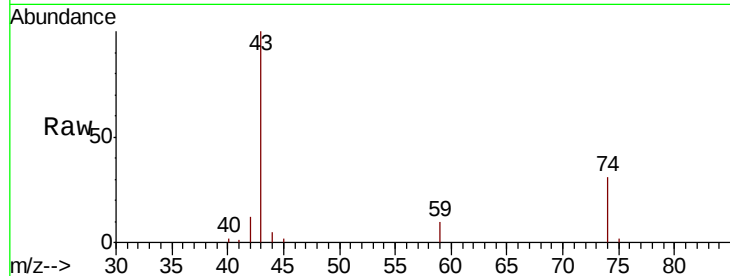




#15
Methyl Acetate
Concen: 19.370 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW017322.D
Acq: 18 Nov 2020 12:09

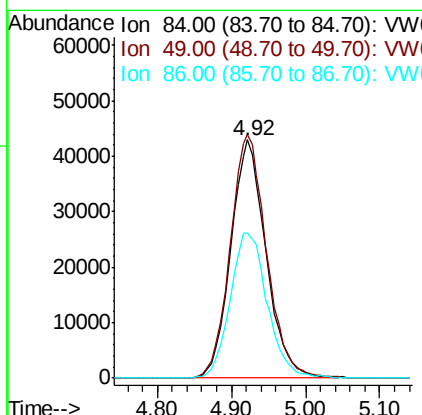
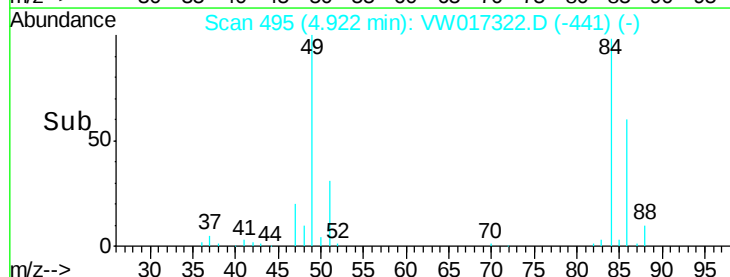
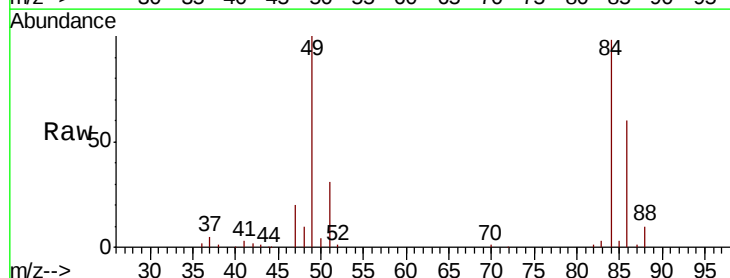
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

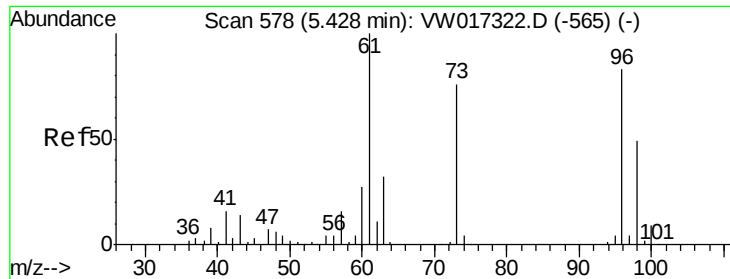
Tot Ion: 43 Resp: 32623
Ion Ratio Lower Upper
43 100
74 29.6 23.7 35.5



#16
Methylene chloride
Concen: 26.591 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017322.D
Acq: 18 Nov 2020 12:09

Tgt Ion: 84 Resp: 141861
Ion Ratio Lower Upper
84 100
49 102.2 71.5 132.9
86 61.1 42.8 79.4

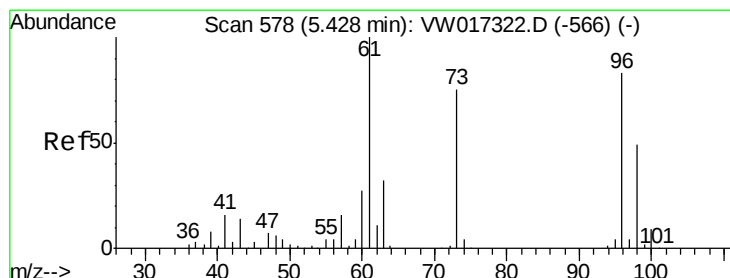
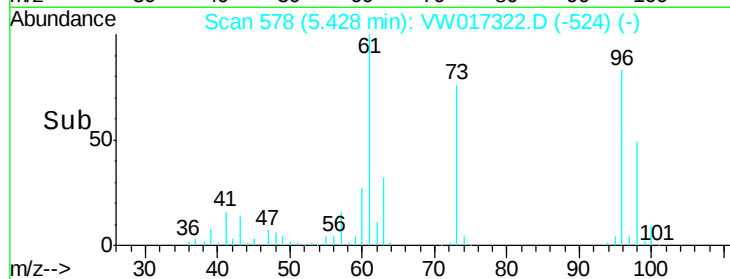
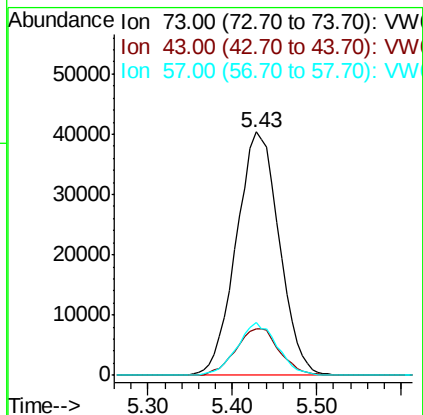
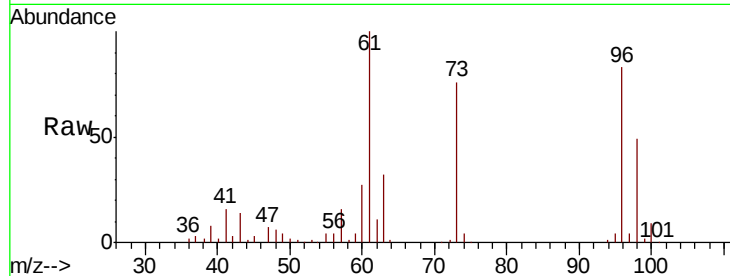




#17
Methvl tert-butvl Ether
Concen: 24.423 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017322.D
Acq: 18 Nov 2020 12:09

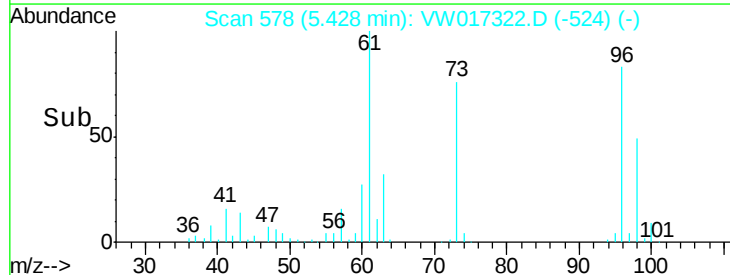
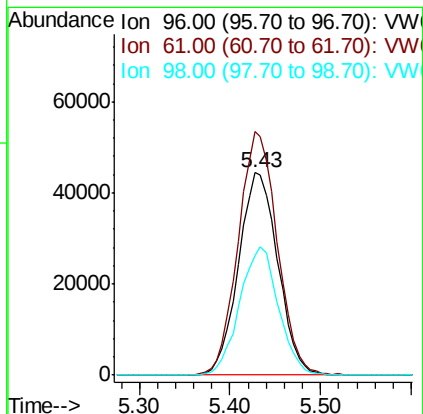
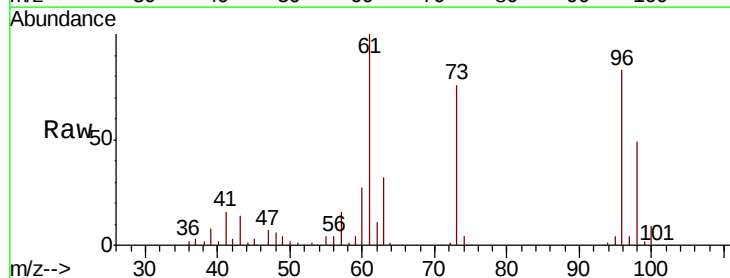
Instrument :
MSVOA_W
ClientSampled :
VSTD02501

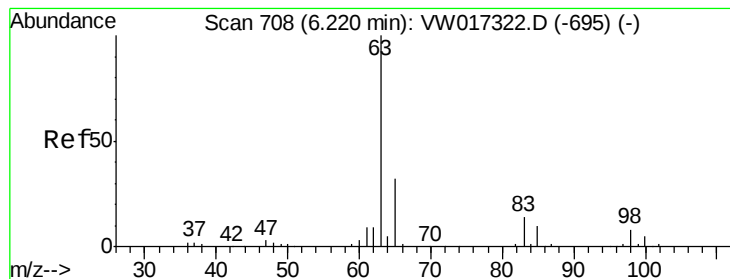
Tot Ion: 73 Resp: 139977
Ion Ratio Lower Upper
73 100
43 19.6 15.7 23.5
57 20.4 16.3 24.5



#18
trans-1,2-Dichloroethene
Concen: 26.718 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017322.D
Acq: 18 Nov 2020 12:09

Tgt Ion: 96 Resp: 133564
Ion Ratio Lower Upper
96 100
61 120.4 84.3 156.5
98 59.3 41.5 77.1





#19

1,1-Dichloroethane

Concen: 25.855 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

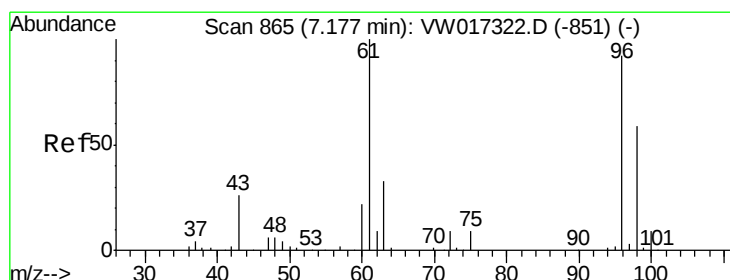
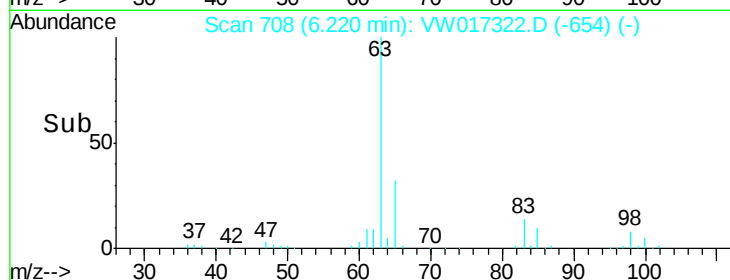
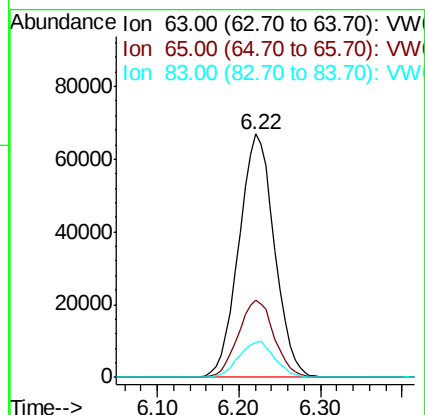
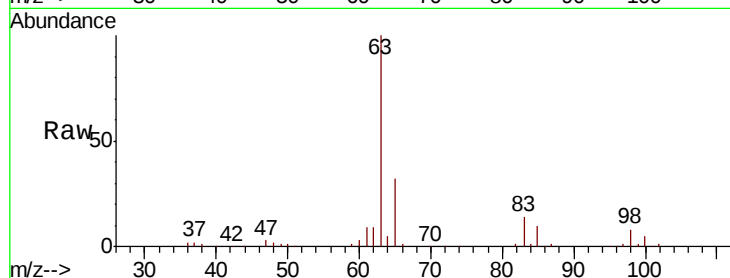
Tot Ion: 63 Resp: 202381

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.5

83 14.4 10.1 18.7



#21

2-Butanone

Concen: 38.816 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW017322.D

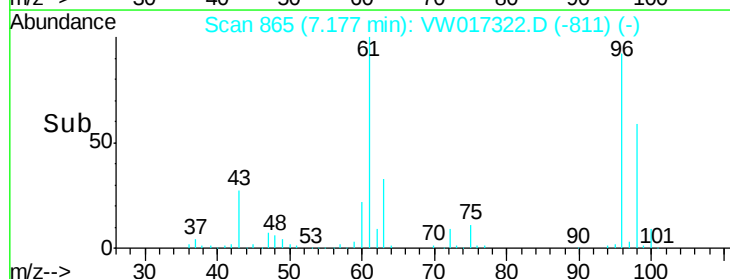
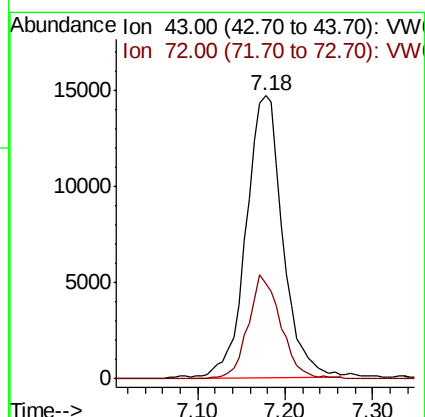
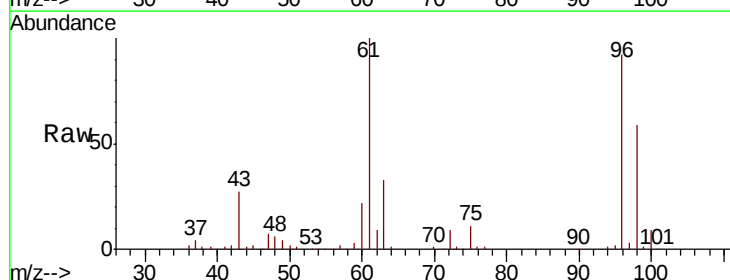
Acq: 18 Nov 2020 12:09

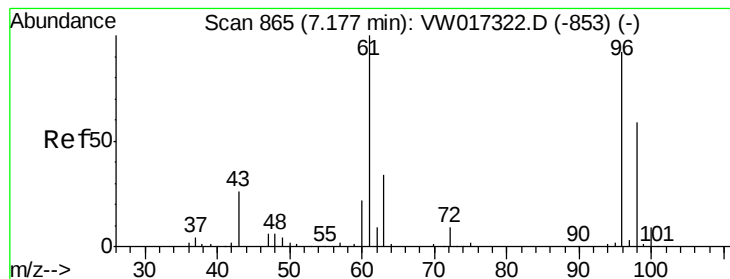
Tgt Ion: 43 Resp: 42645

Ion Ratio Lower Upper

43 100

72 32.7 16.4 49.1



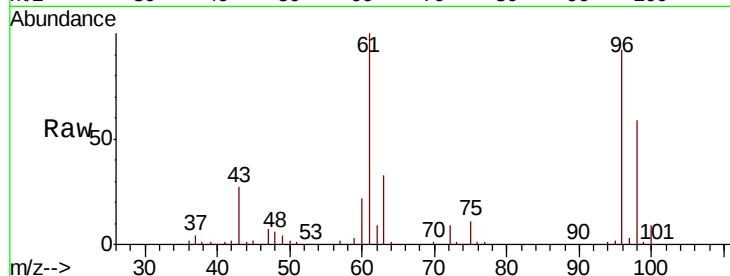


#22

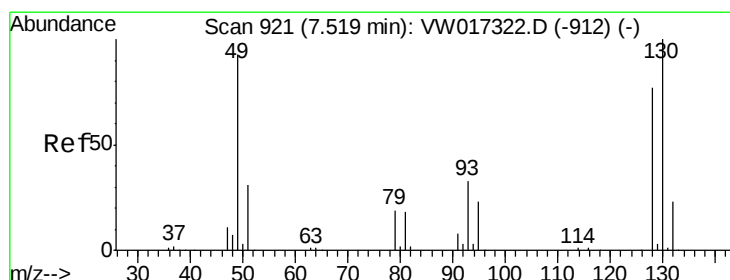
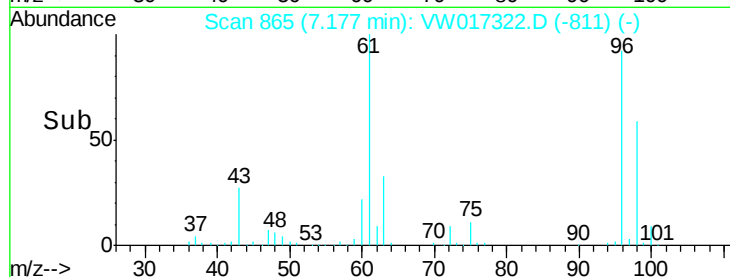
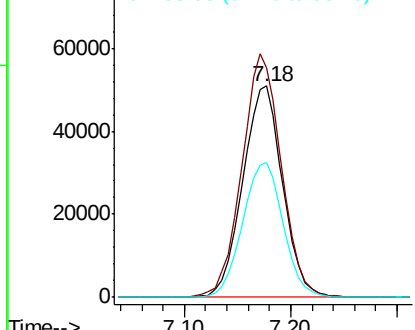
cis-1,2-Dichloroethene
Concen: 25.565 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW017322.D
Acq: 18 Nov 2020 12:09

Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

Tot Ion: 96 Resp: 133329
Ion Ratio Lower Upper
96 100
61 108.7 76.1 141.3
98 63.8 44.7 82.9



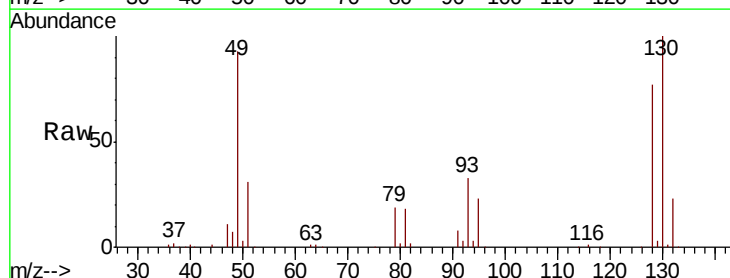
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



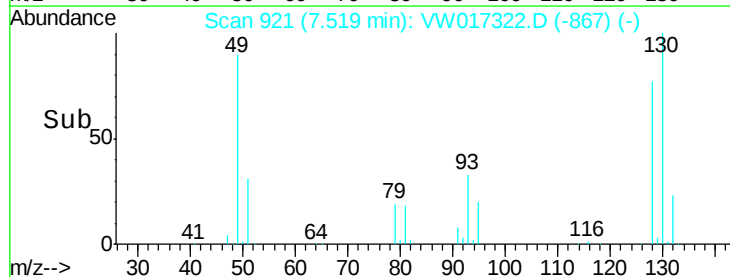
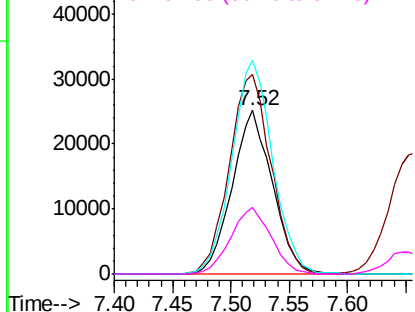
#23

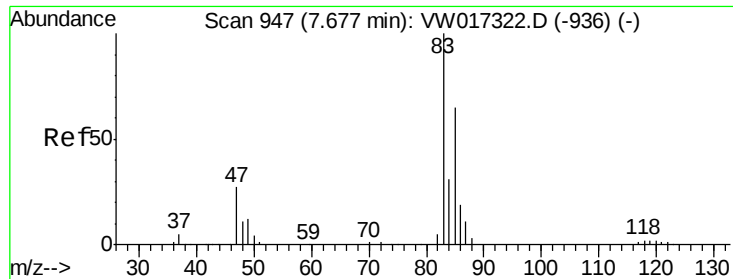
Bromochloromethane
Concen: 24.456 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW017322.D
Acq: 18 Nov 2020 12:09

Tgt Ion: 128 Resp: 60527
Ion Ratio Lower Upper
128 100
49 122.1 85.5 158.7
130 130.7 91.5 169.9
51 41.0 32.8 49.2



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

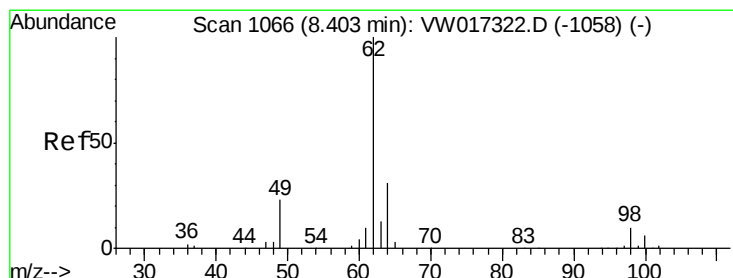
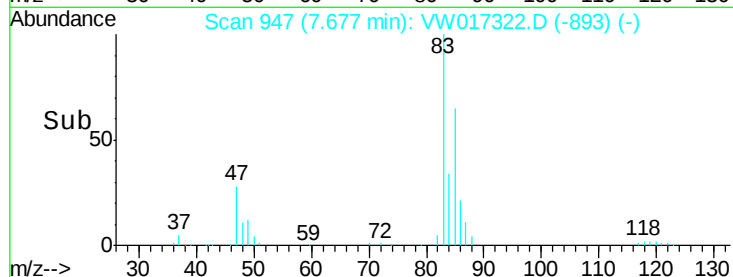
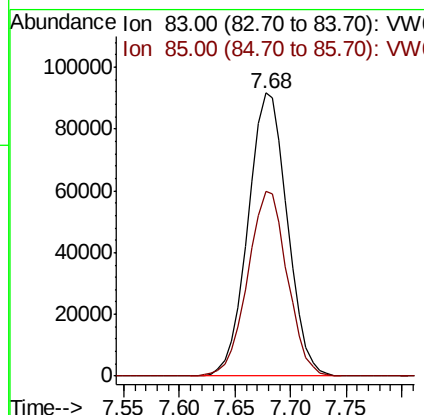
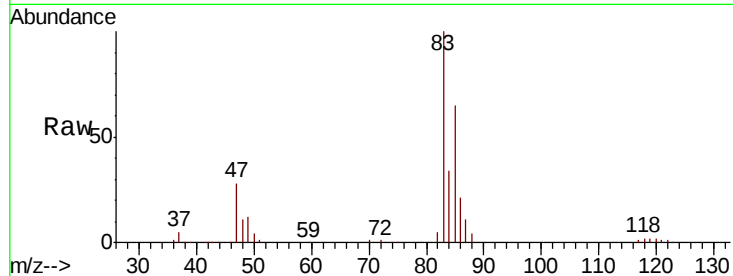




#25
Chloroform
Concen: 26.347 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017322.D
Acq: 18 Nov 2020 12:09

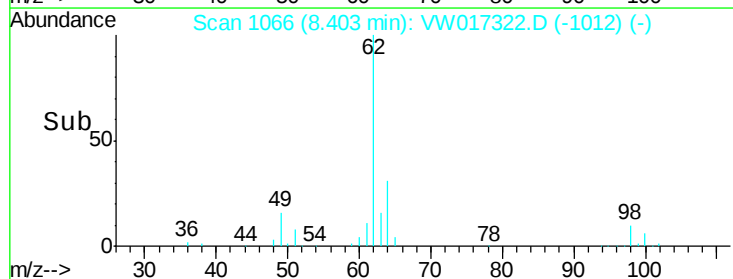
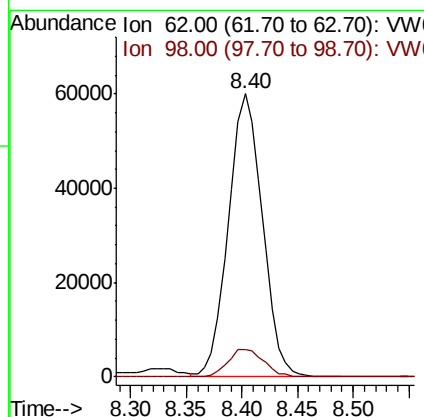
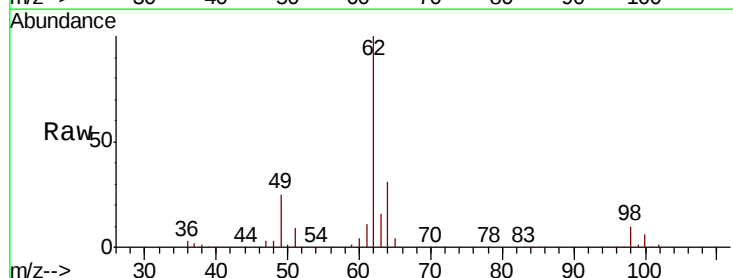
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

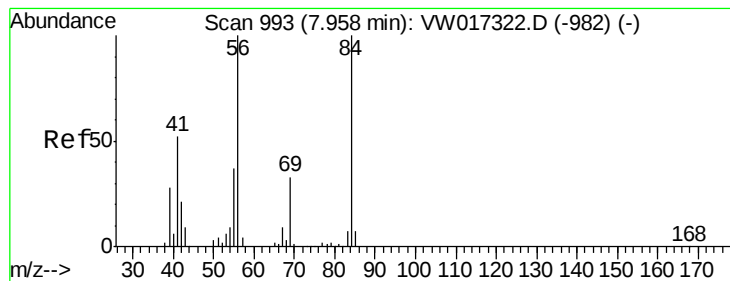
Tot Ion: 83 Resp: 225360
Ion Ratio Lower Upper
83 100
85 65.8 46.1 85.5



#27
1,2-Dichloroethane
Concen: 25.140 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017322.D
Acq: 18 Nov 2020 12:09

Tgt Ion: 62 Resp: 127447
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5





#30

Cyclohexane

Concen: 26.837 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

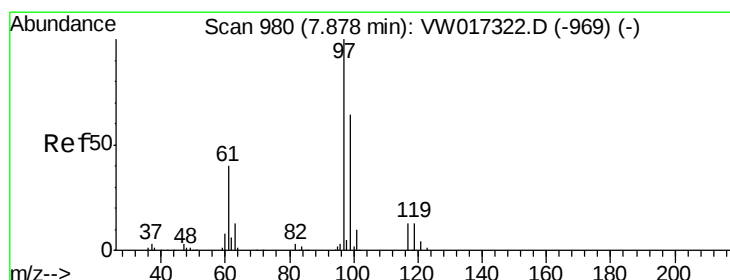
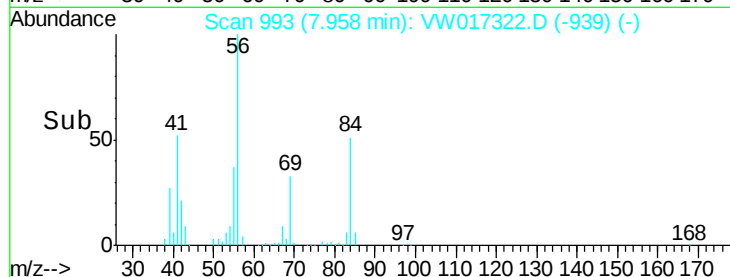
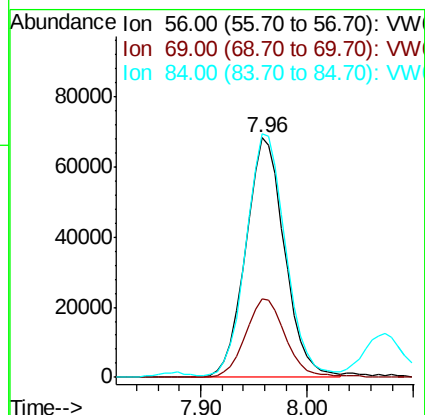
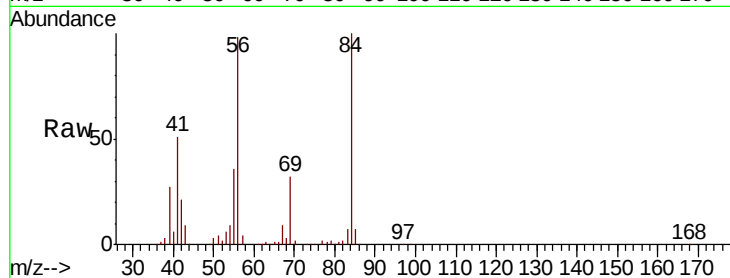
Tot Ion: 56 Resp: 175737

Ion Ratio Lower Upper

56 100

69 33.8 27.0 40.6

84 102.8 82.2 123.4



#31

1,1,1-Trichloroethane

Concen: 28.179 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

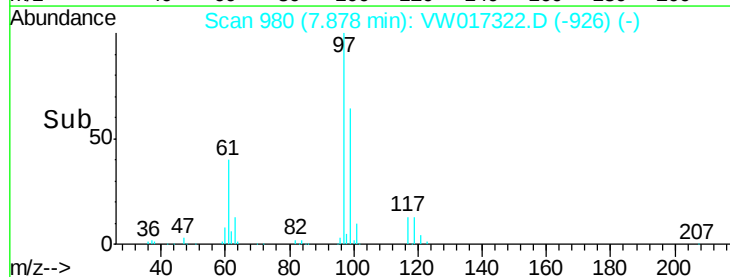
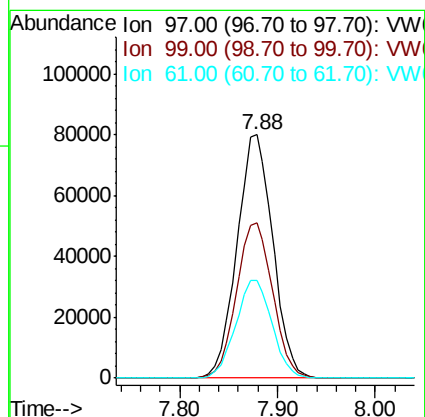
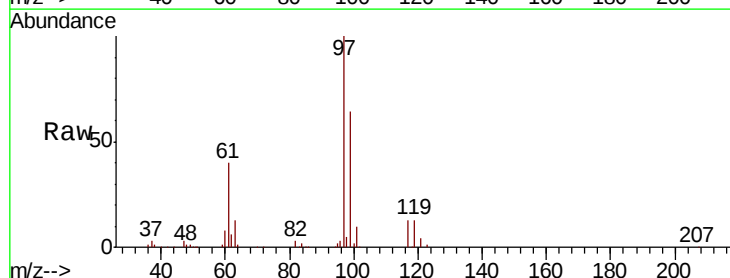
Tgt Ion: 97 Resp: 203546

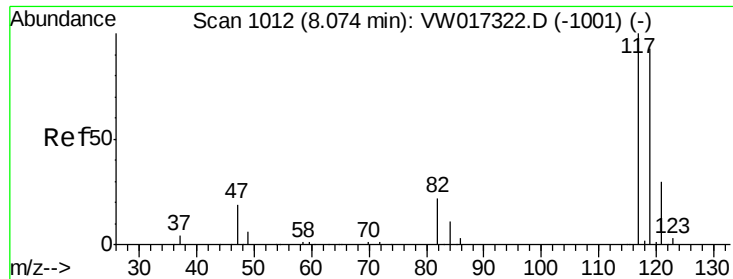
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 40.9 32.7 49.1





#32

Carbon tetrachloride

Concen: 27.855 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Instrument :

MSVOA_W

ClientSampleId :

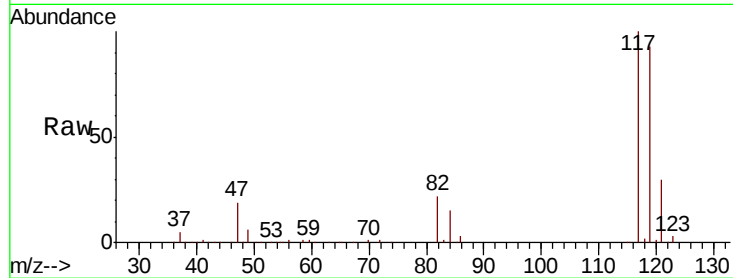
VSTD02501

Tot Ion:117 Resp: 193865

Ion Ratio Lower Upper

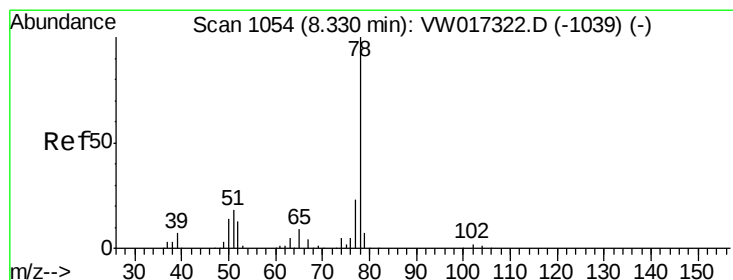
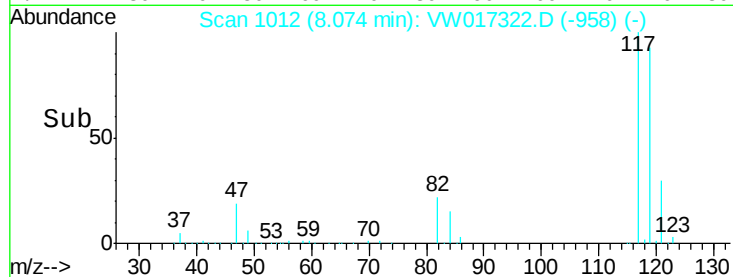
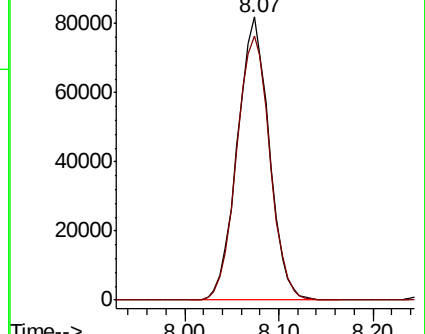
117 100

119 97.2 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.643 ug/L

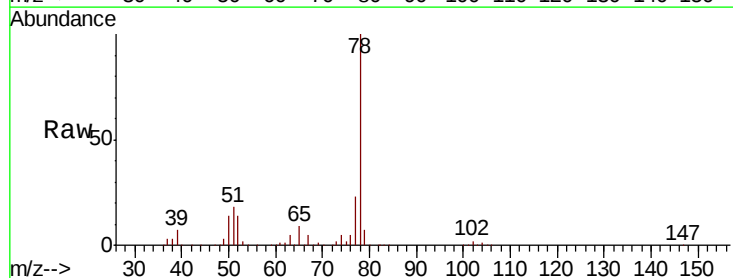
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Tgt Ion: 78 Resp: 487740



Abundance Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

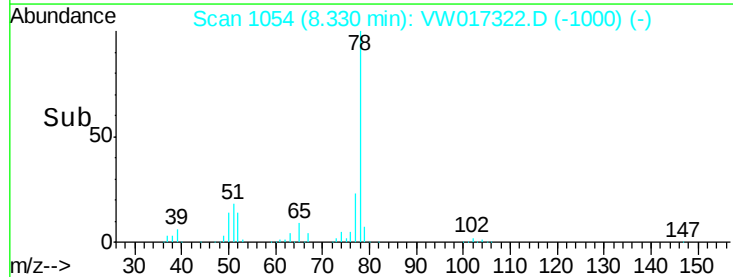
100000

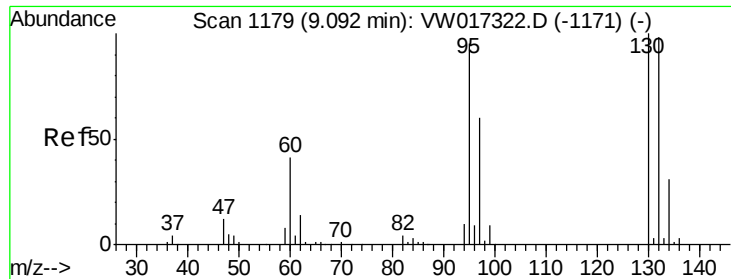
50000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 26.652 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

Tot Ion: 95 Resp: 137589

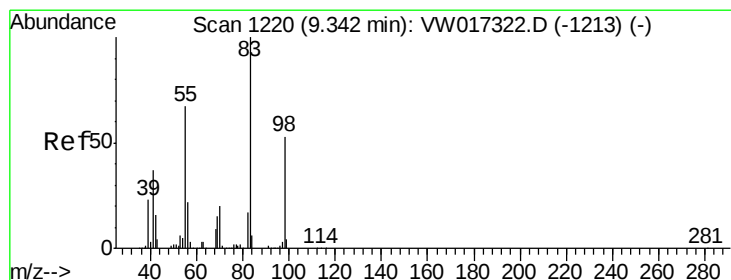
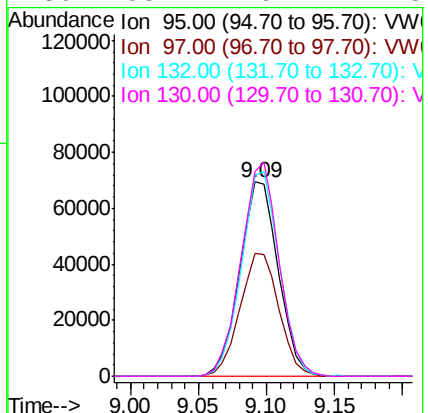
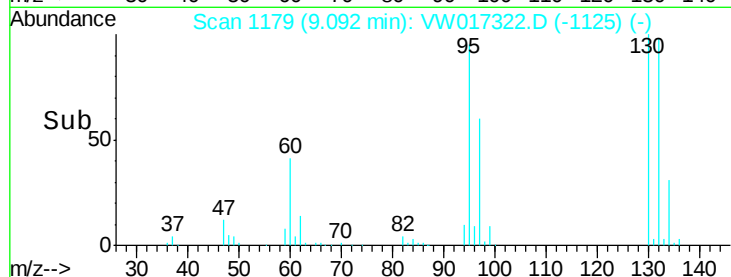
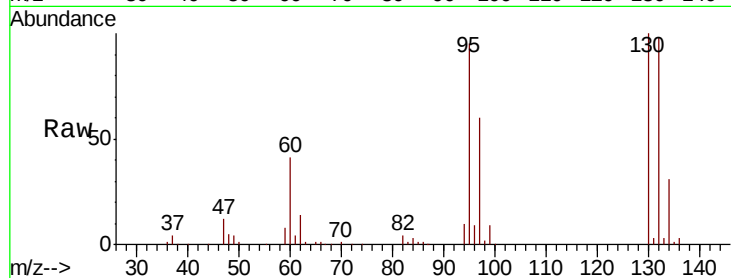
Ion Ratio Lower Upper

95 100

97 63.8 44.7 82.9

132 103.8 72.7 134.9

130 108.7 76.1 141.3



#36

Methylcyclohexane

Concen: 27.385 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

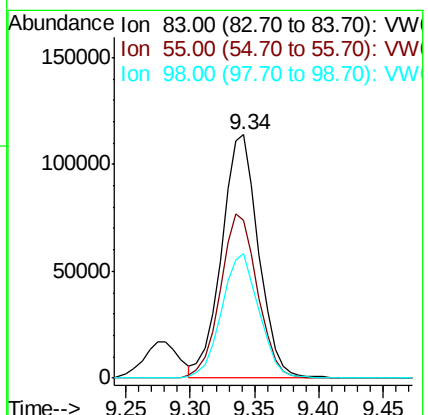
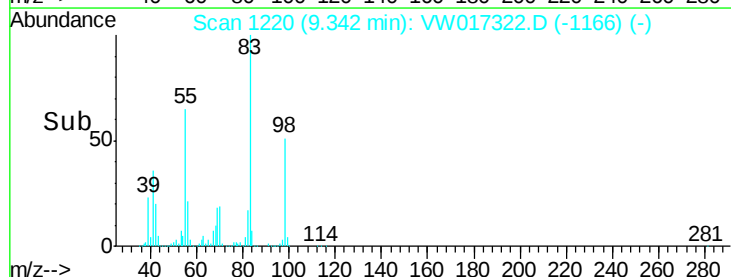
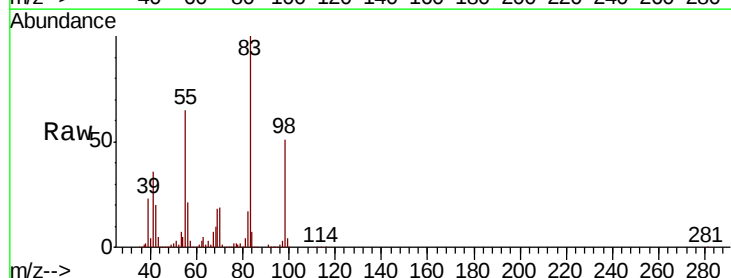
Tgt Ion: 83 Resp: 227434

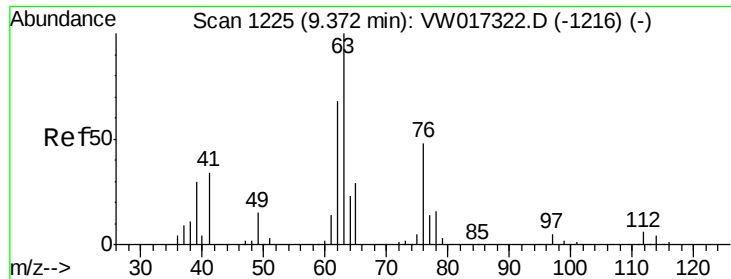
Ion Ratio Lower Upper

83 100

55 68.2 54.6 81.8

98 51.9 41.5 62.3

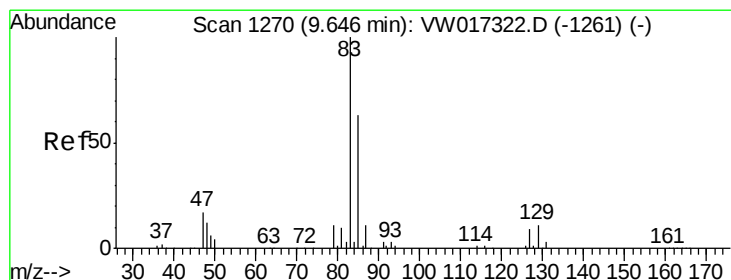
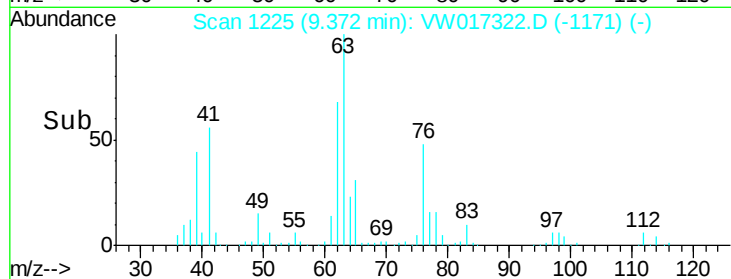
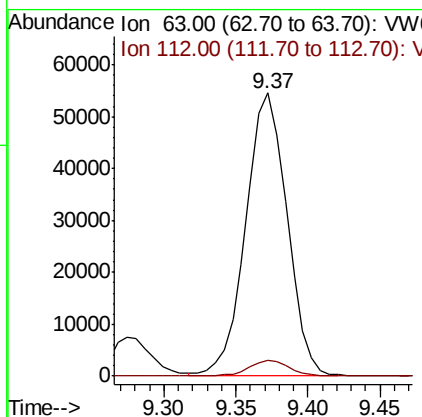
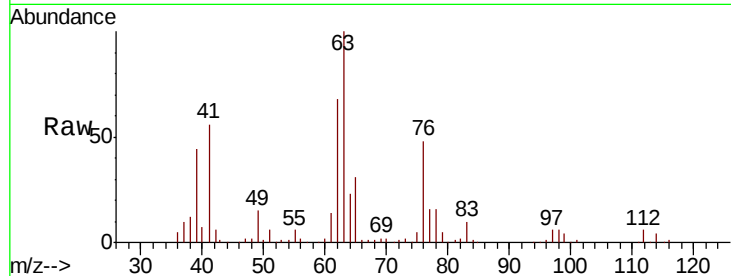




#40
1,2-Dichloropropane
Concen: 25.663 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW017322.D
Acq: 18 Nov 2020 12:09

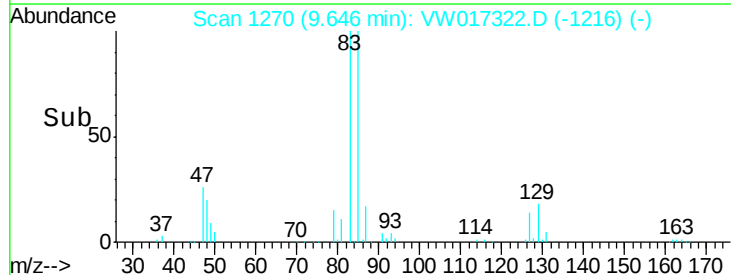
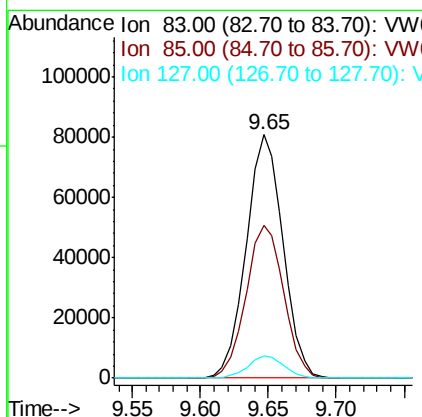
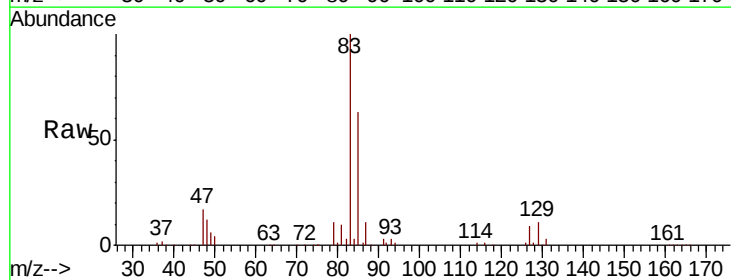
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

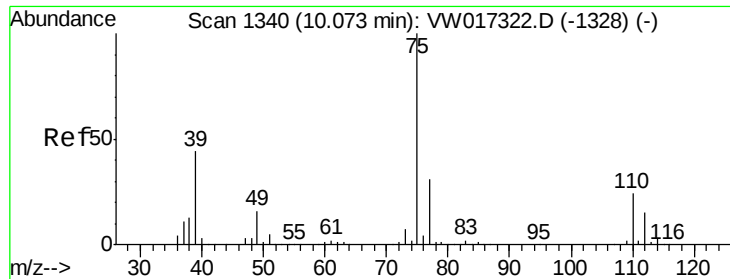
Tot Ion: 63 Resp: 108552
Ion Ratio Lower Upper
63 100
112 5.3 4.2 6.4



#41
Bromodichloromethane
Concen: 26.145 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW017322.D
Acq: 18 Nov 2020 12:09

Tgt Ion: 83 Resp: 153183
Ion Ratio Lower Upper
83 100
85 63.0 44.1 81.9
127 9.1 7.3 10.9

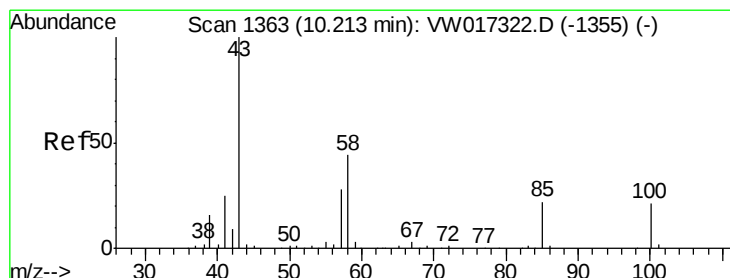
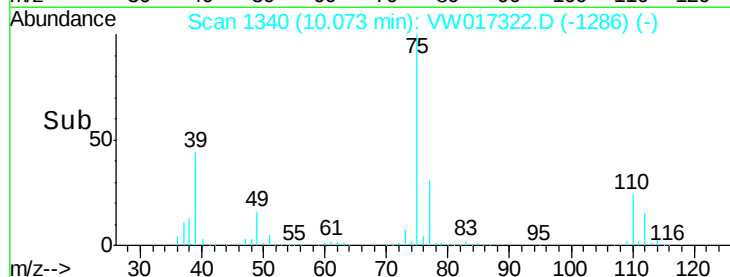
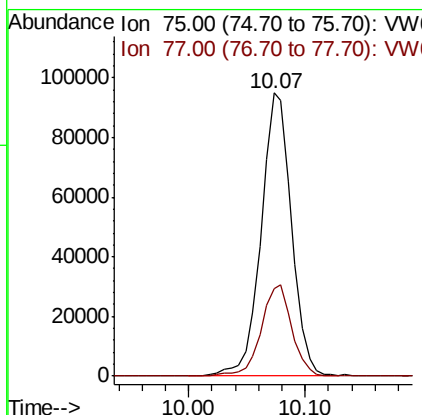
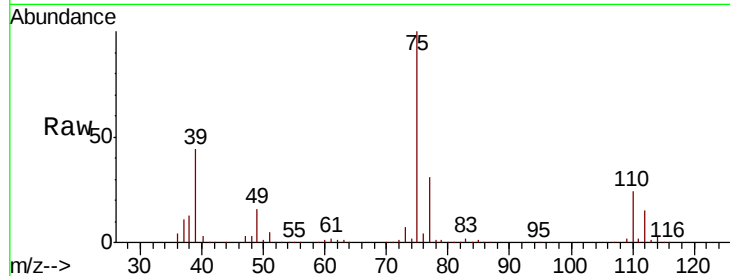




#42
 cis-1,3-Dichloropropene
 Concen: 25.792 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017322.D
 Acq: 18 Nov 2020 12:09

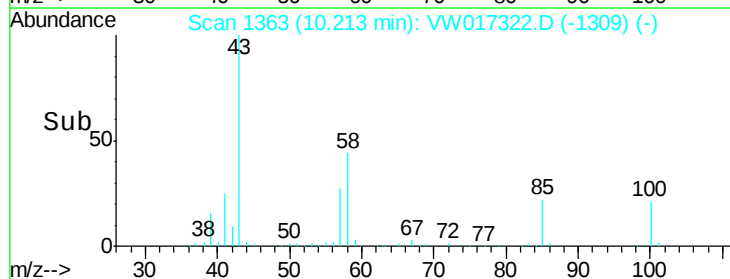
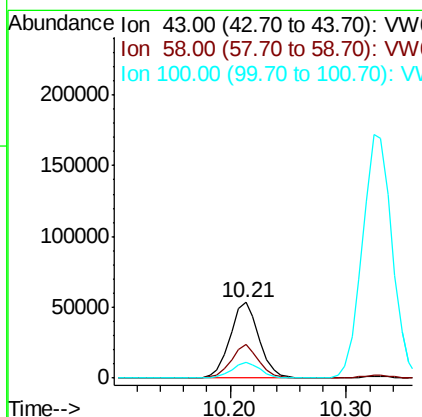
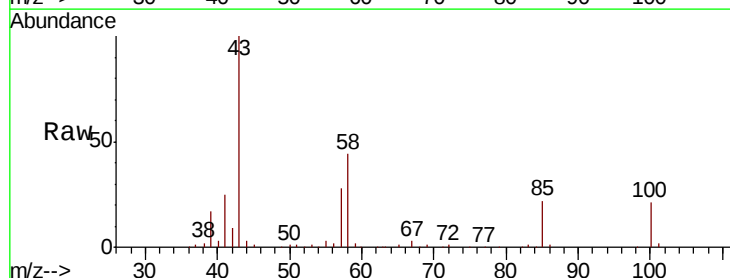
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02501

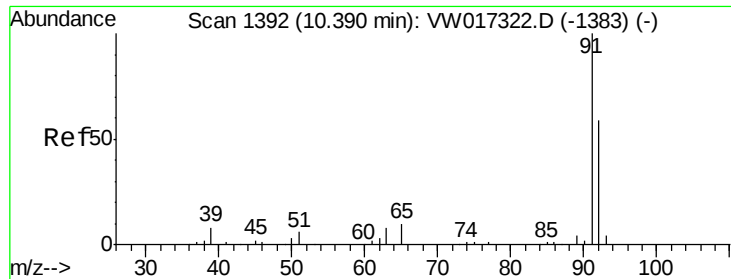
Tot Ion: 75 Resp: 172345
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.8 40.4



#43
 4-Methyl-2-pentanone
 Concen: 37.402 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017322.D
 Acq: 18 Nov 2020 12:09

Tgt Ion: 43 Resp: 92548
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.4 50.2
 100 20.4 16.3 24.5





#44

Toluene

Concen: 26.902 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Instrument :

MSVOA_W

ClientSampled :

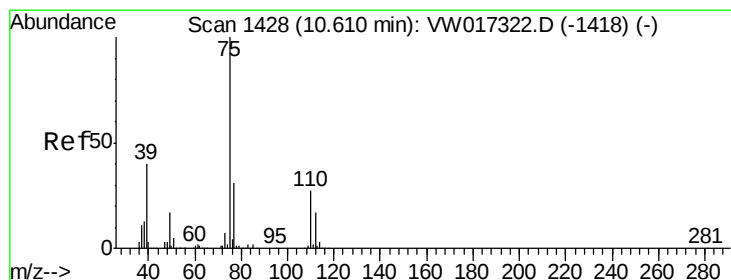
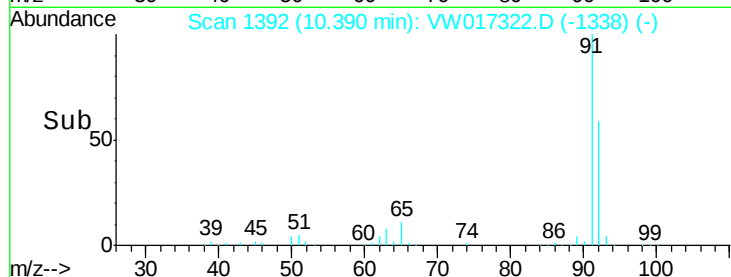
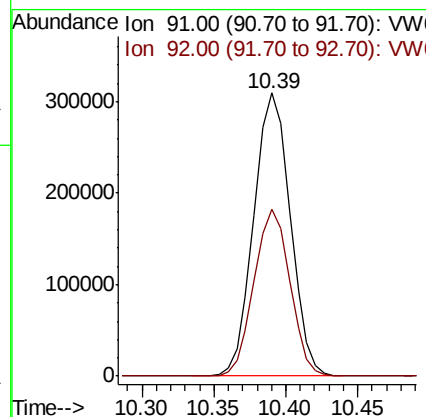
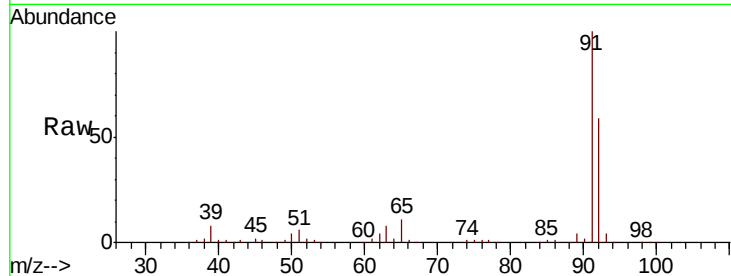
VSTD02501

Tot Ion: 91 Resp: 542212

Ion Ratio Lower Upper

91 100

92 59.1 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 25.400 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017322.D

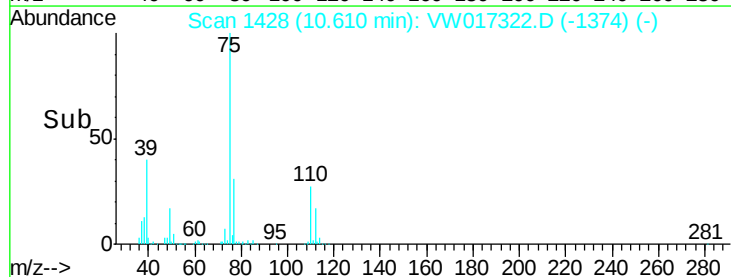
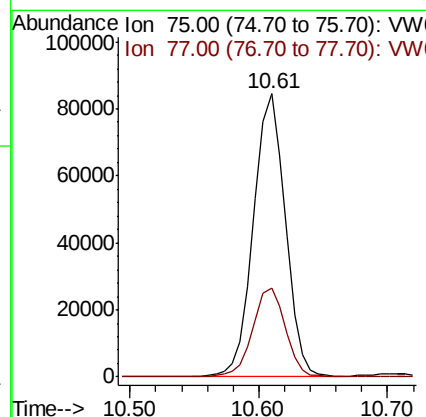
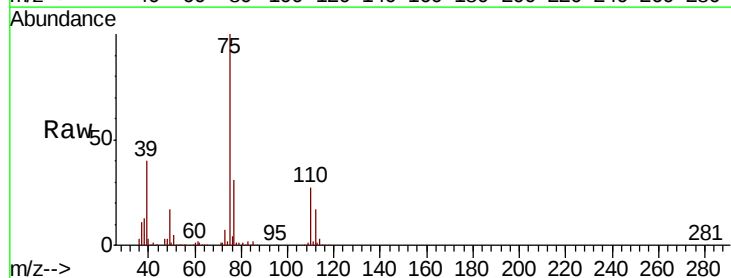
Acq: 18 Nov 2020 12:09

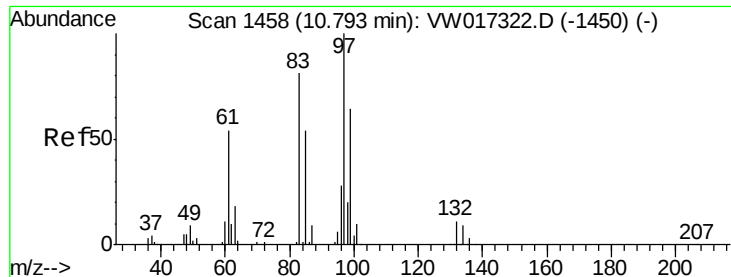
Tgt Ion: 75 Resp: 144505

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8





#46

1,1,2-Trichloroethane

Concen: 22.941 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

Tot Ion: 97 Resp: 81742

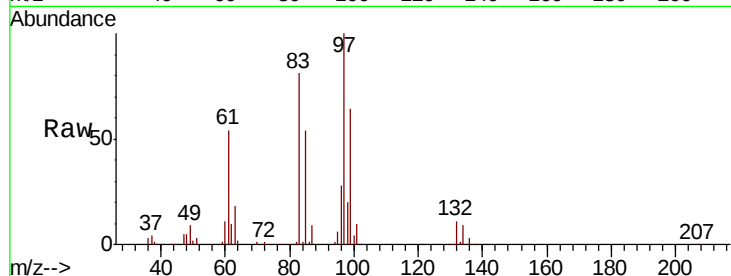
Ion Ratio Lower Upper

97 100

83 80.9 56.6 105.2

85 53.8 37.7 69.9

99 64.0 44.8 83.2

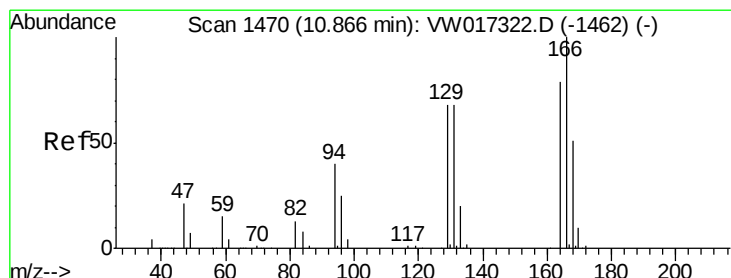
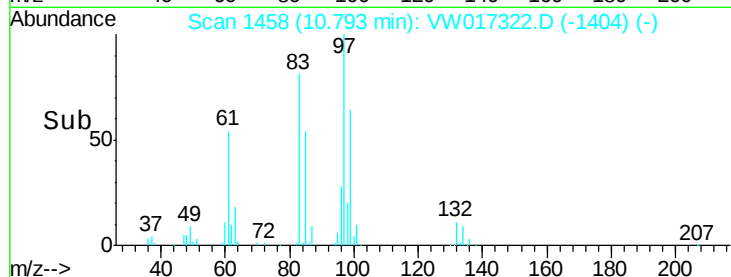
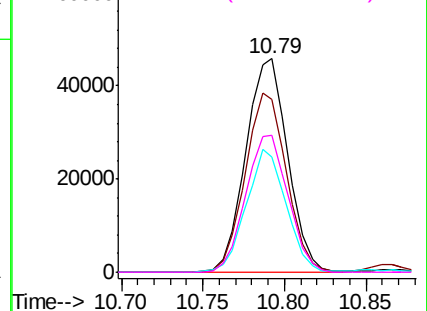


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 26.640 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Tgt Ion: 164 Resp: 124321

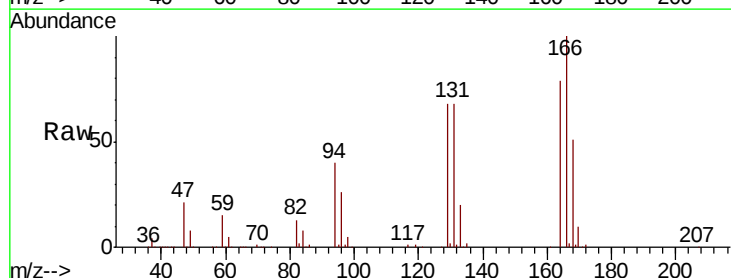
Ion Ratio Lower Upper

164 100

129 86.6 60.6 112.6

131 86.3 60.4 112.2

166 126.6 88.6 164.6

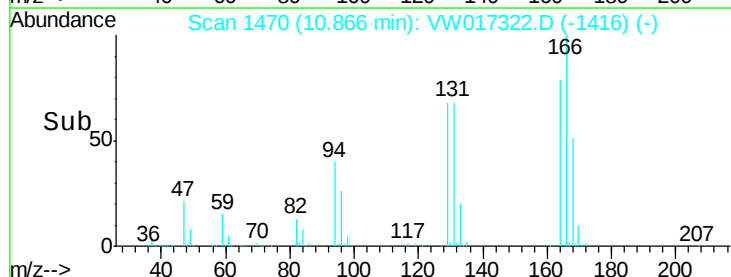
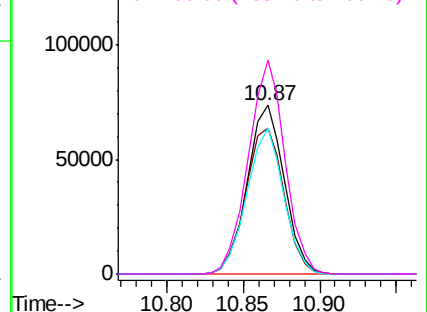


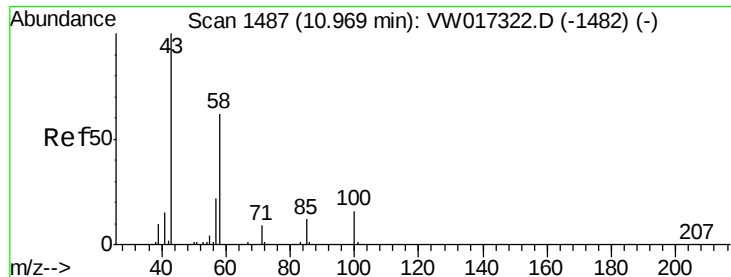
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 40.989 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

Tot Ion: 43 Resp: 61070

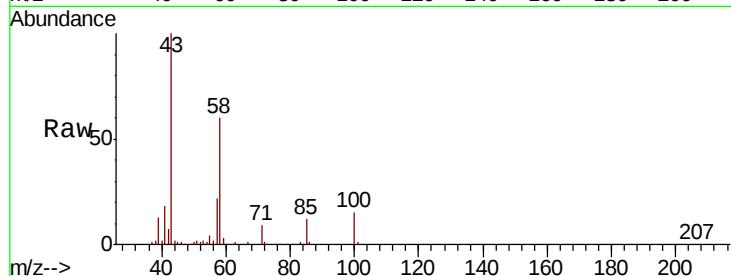
Ion Ratio Lower Upper

43 100

58 61.7 49.4 74.0

57 21.2 17.0 25.4

100 16.4 13.1 19.7

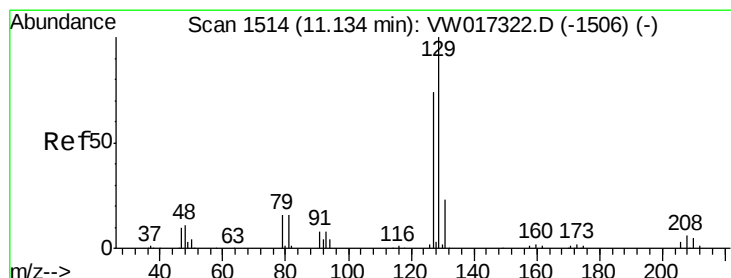
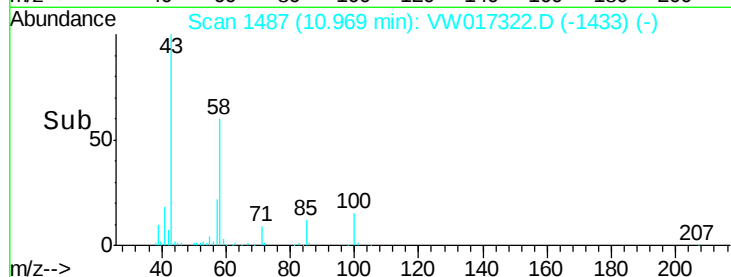
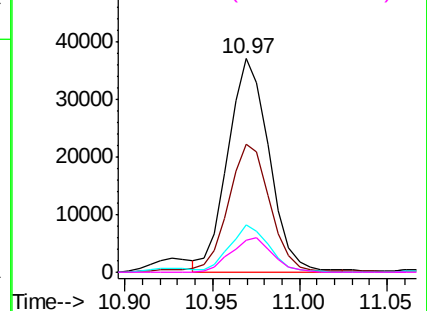


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.484 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW017322.D

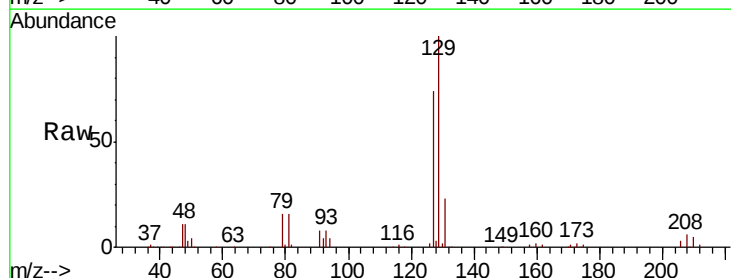
Acq: 18 Nov 2020 12:09

Tgt Ion: 129 Resp: 107567

Ion Ratio Lower Upper

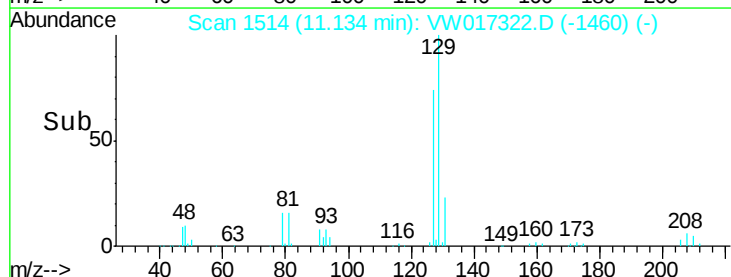
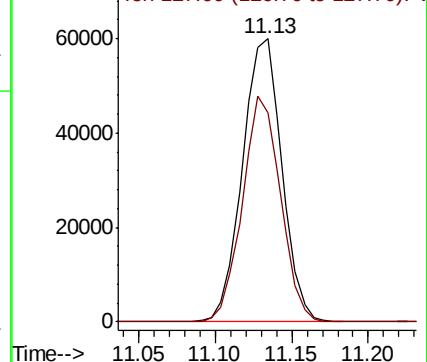
129 100

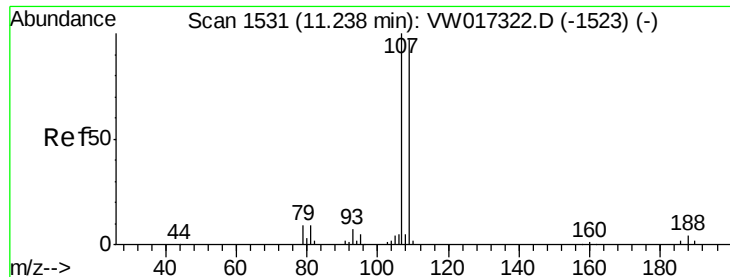
127 74.0 51.8 96.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

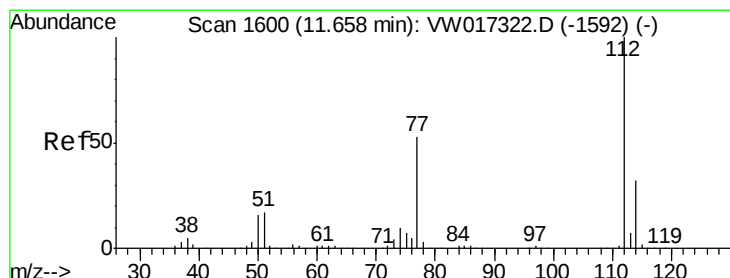
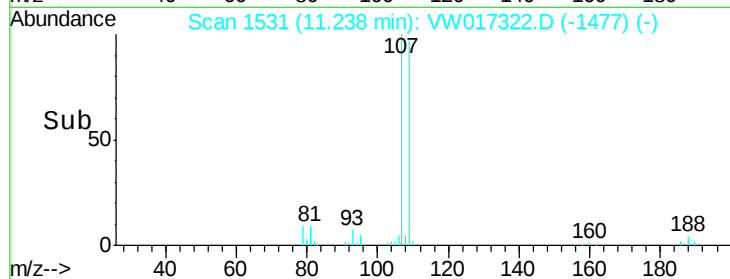
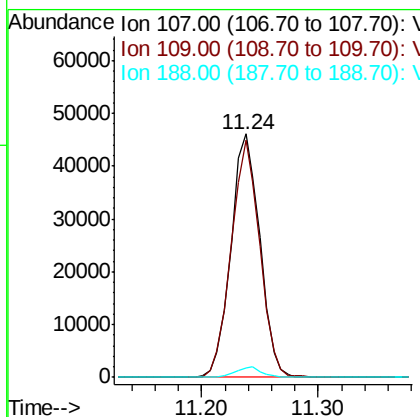
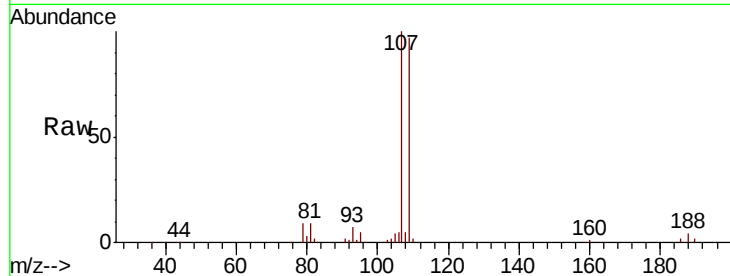




#51
 1,2-Dibromoethane
 Concen: 23.068 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW017322.D
 Acq: 18 Nov 2020 12:09

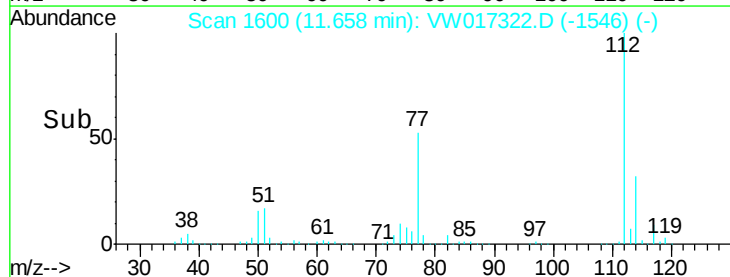
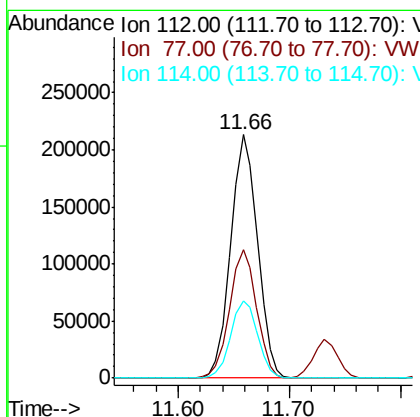
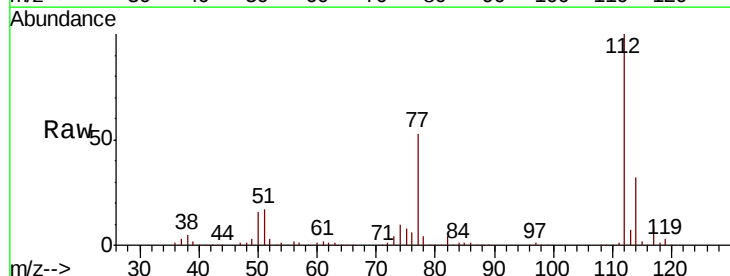
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

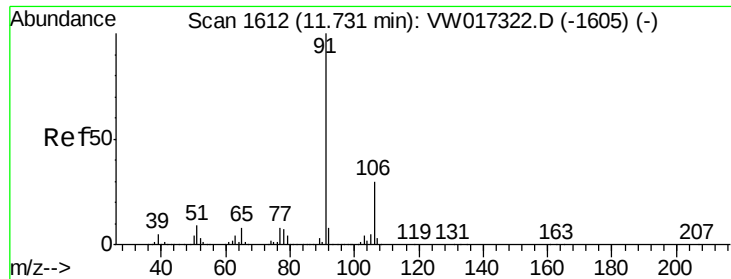
Tot Ion:107 Resp: 79623
 Ion Ratio Lower Upper
 107 100
 109 97.4 68.2 126.6
 188 4.1 3.3 4.9



#52
 Chlorobenzene
 Concen: 26.173 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017322.D
 Acq: 18 Nov 2020 12:09

Tgt Ion:112 Resp: 355352
 Ion Ratio Lower Upper
 112 100
 77 52.8 42.2 63.4
 114 31.6 22.1 41.1

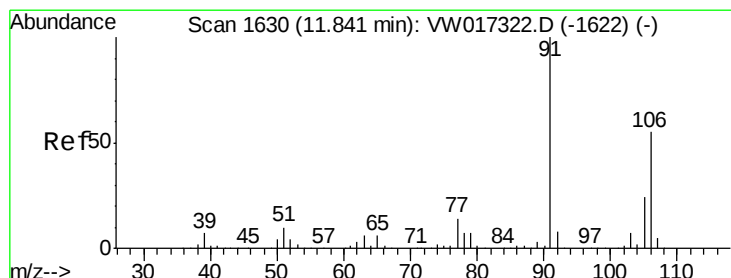
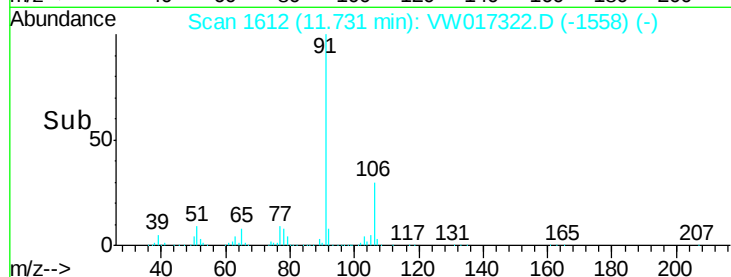
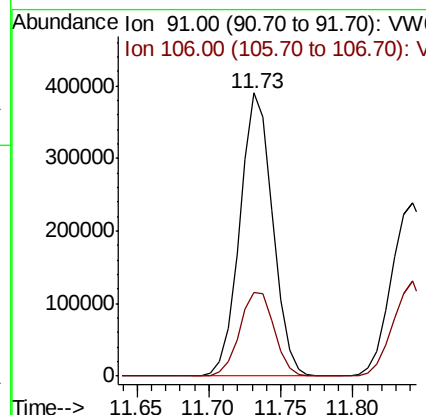
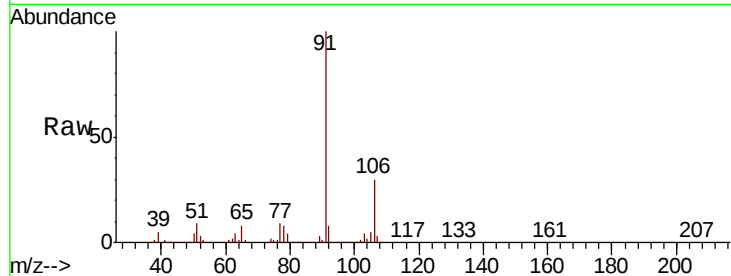




#53
Ethylbenzene
Concen: 27.269 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017322.D
Acq: 18 Nov 2020 12:09

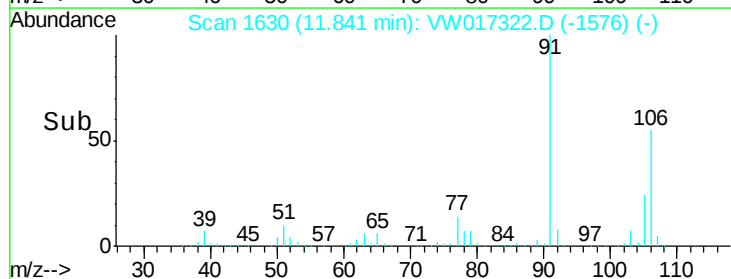
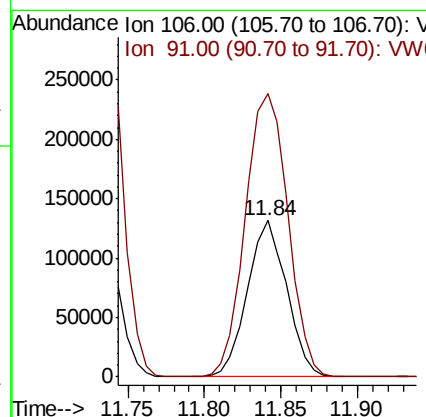
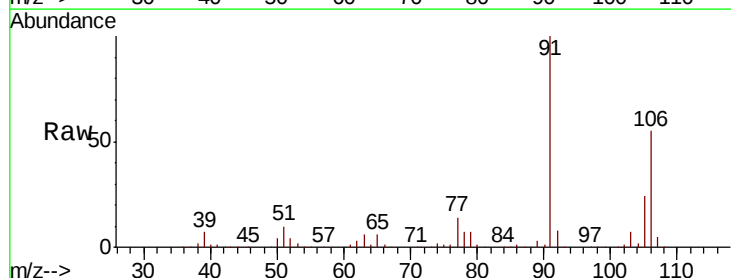
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

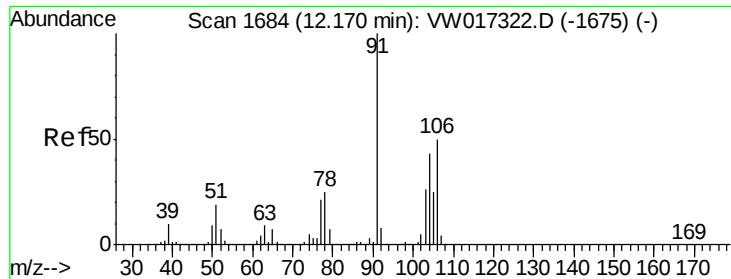
Tot Ion: 91 Resp: 616536
Ion Ratio Lower Upper
91 100
106 29.7 20.8 38.6



#54
m,p-Xylene
Concen: 26.803 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017322.D
Acq: 18 Nov 2020 12:09

Tgt Ion: 106 Resp: 235385
Ion Ratio Lower Upper
106 100
91 181.3 126.9 235.7

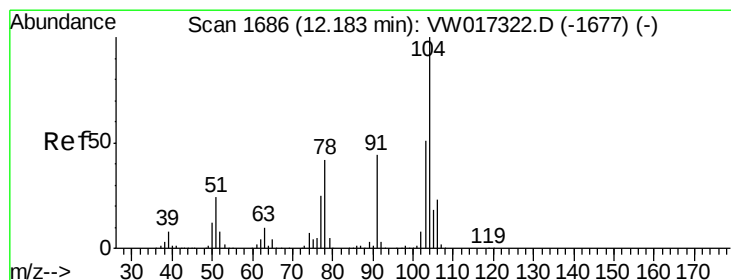
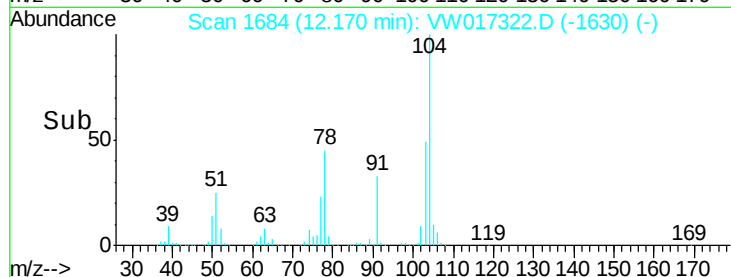
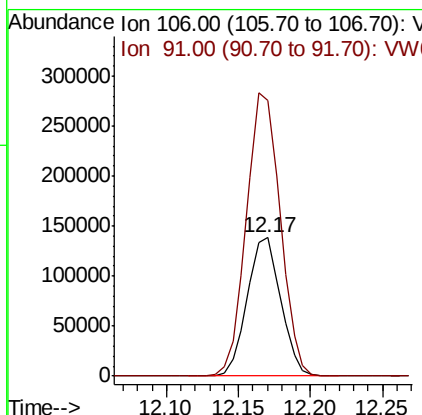
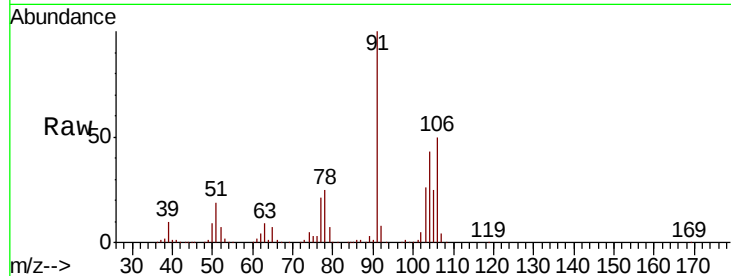




#55
o-xylene
Concen: 26.827 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW017322.D
Acq: 18 Nov 2020 12:09

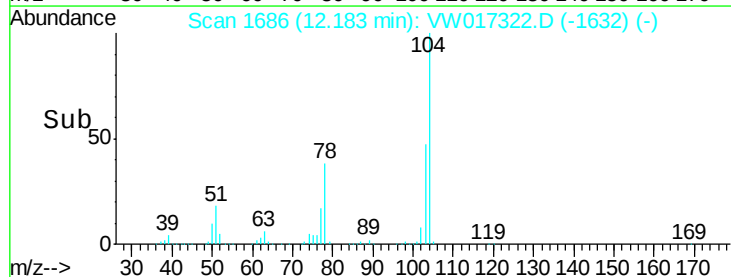
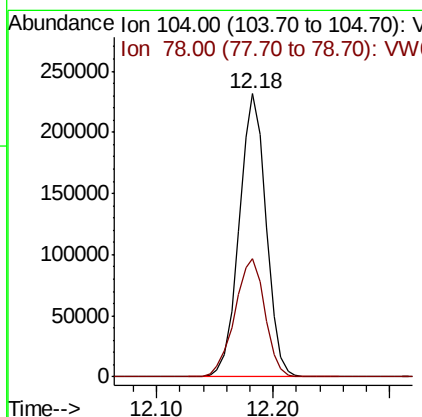
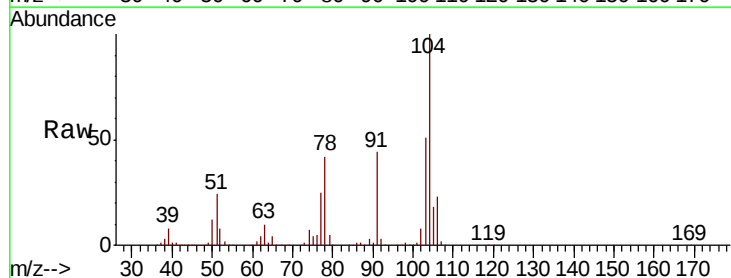
Instrument :
MSVOA_W
ClientSampled :
VSTD02501

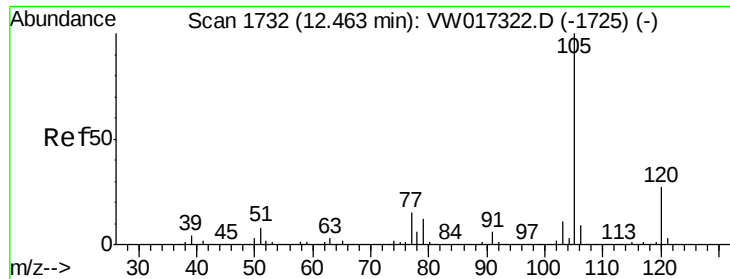
Tot Ion:106 Resp: 222841
Ion Ratio Lower Upper
106 100
91 199.3 139.5 259.1



#56
Styrene
Concen: 26.800 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017322.D
Acq: 18 Nov 2020 12:09

Tgt Ion:104 Resp: 372448
Ion Ratio Lower Upper
104 100
78 41.9 29.3 54.5





#57

Isopropylbenzene

Concen: 27.265 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Instrument :

MSVOA_W

ClientSampled :

VSTD02501

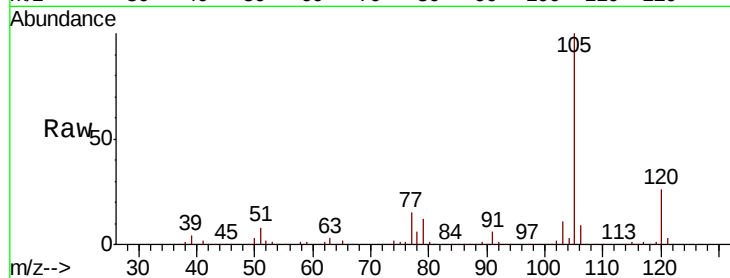
Tot Ion: 105 Resp: 616820

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

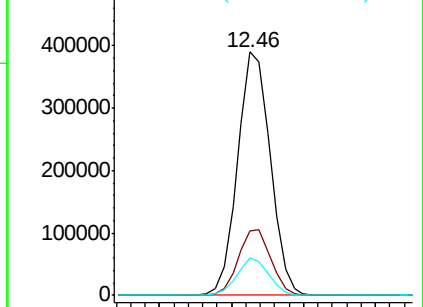
77 14.7 11.8 17.6



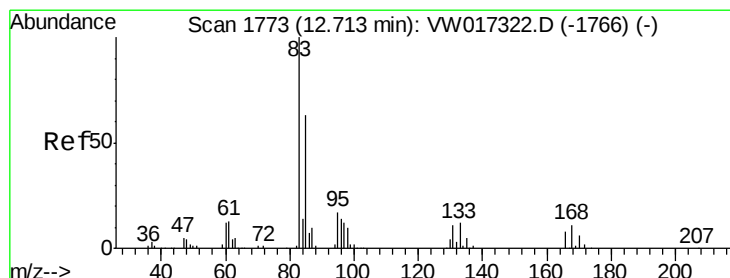
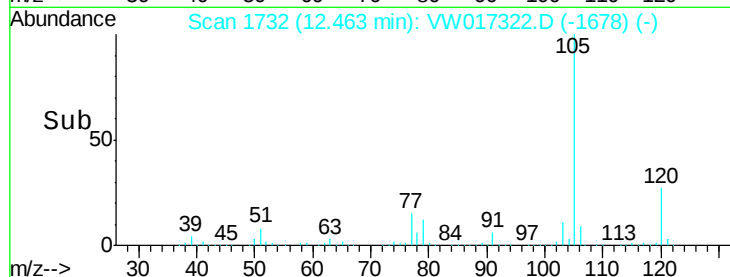
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 21.693 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

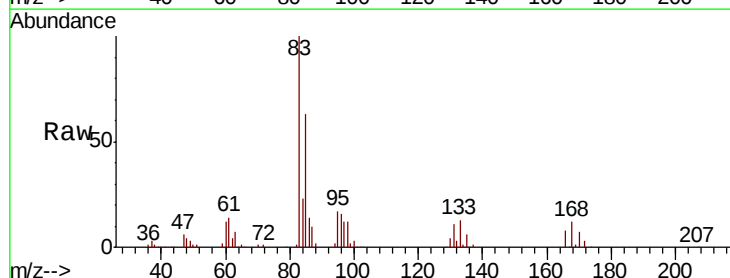
Tgt Ion: 83 Resp: 87567

Ion Ratio Lower Upper

83 100

85 63.1 44.2 82.0

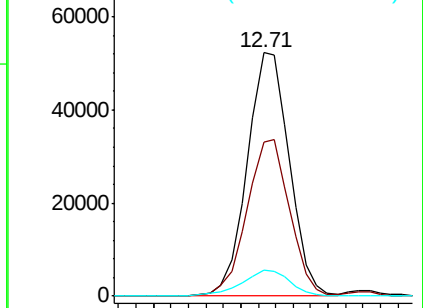
131 10.9 8.7 13.1



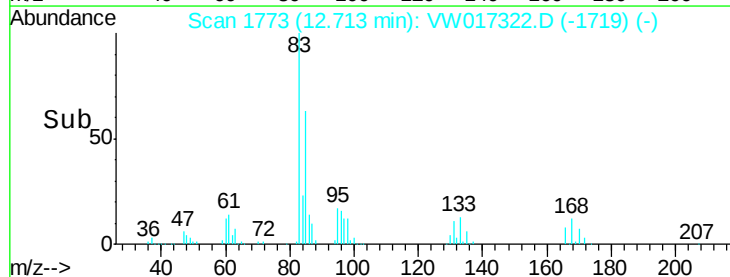
Abundance Ion 83.00 (82.70 to 83.70): V

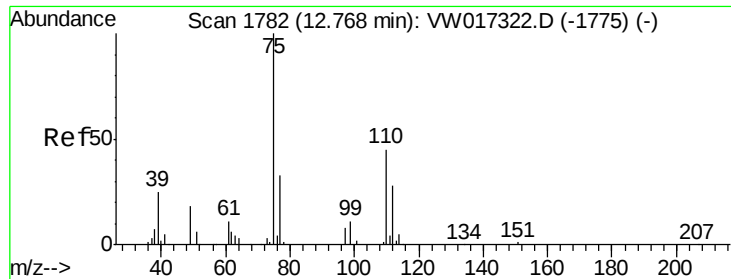
Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V



Time-->





#59

1,2,3-Trichloropropane

Concen: 21.220 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Instrument :

MSVOA_W

ClientSampleId :

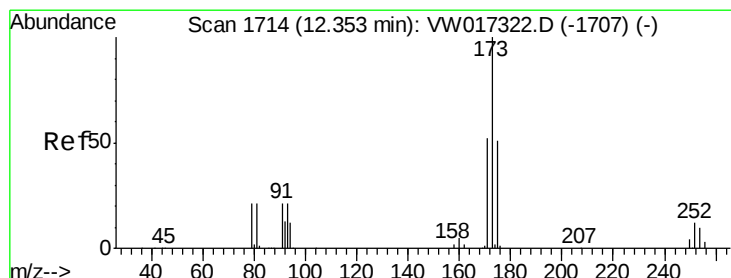
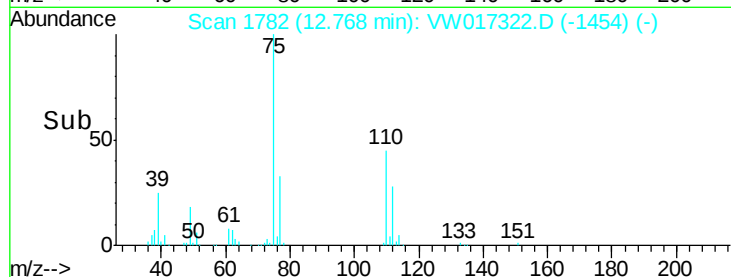
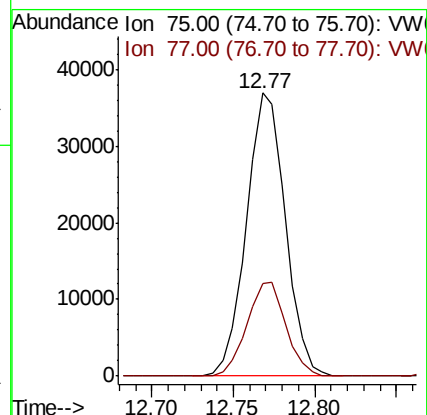
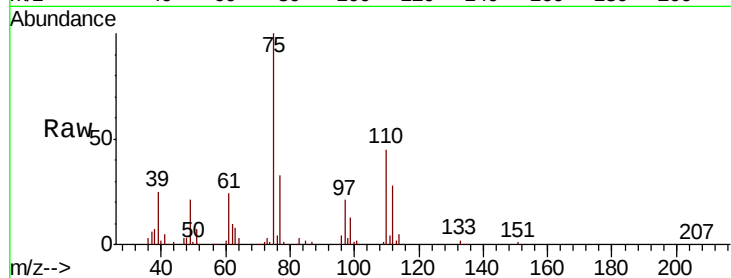
VSTD02501

Tot Ion: 75 Resp: 61425

Ion Ratio Lower Upper

75 100

77 33.3 26.6 40.0



#62

Bromoform

Concen: 21.779 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

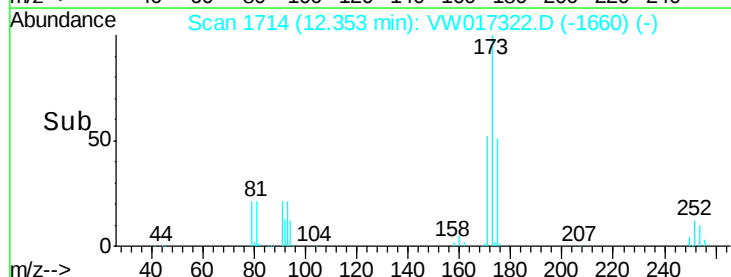
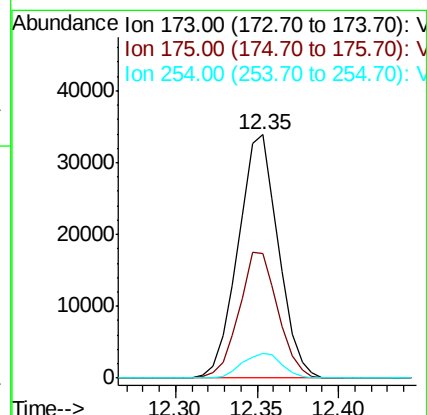
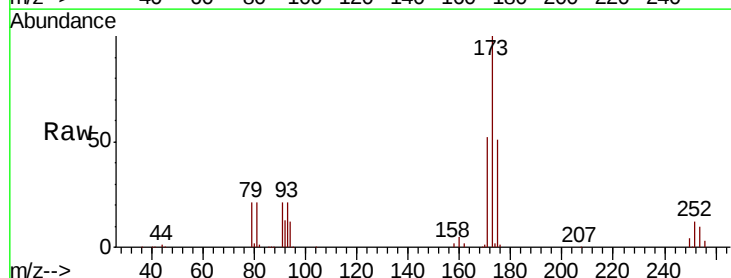
Tgt Ion: 173 Resp: 58284

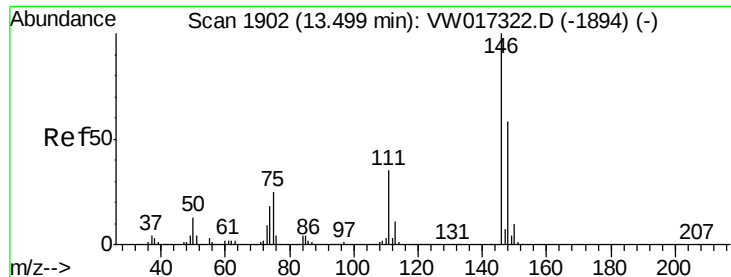
Ion Ratio Lower Upper

173 100

175 50.0 40.0 60.0

254 10.0 8.0 12.0

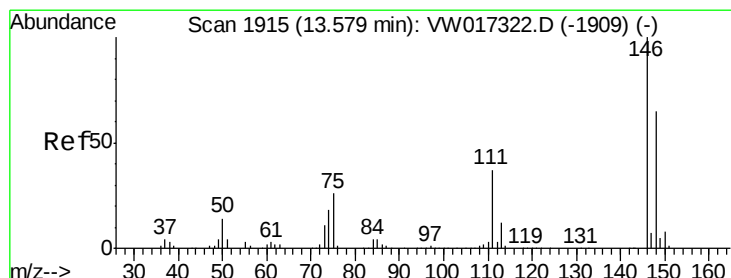
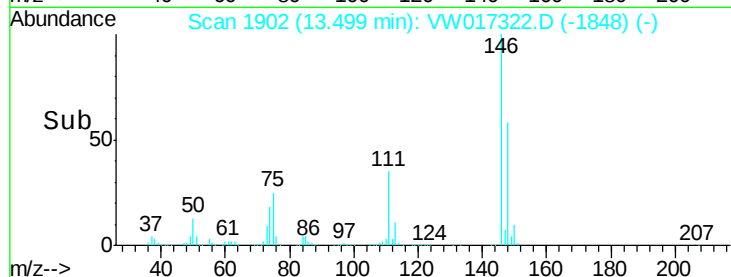
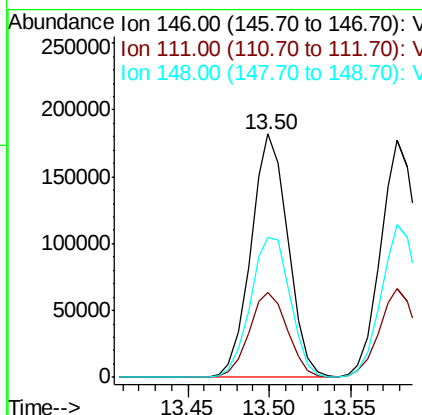
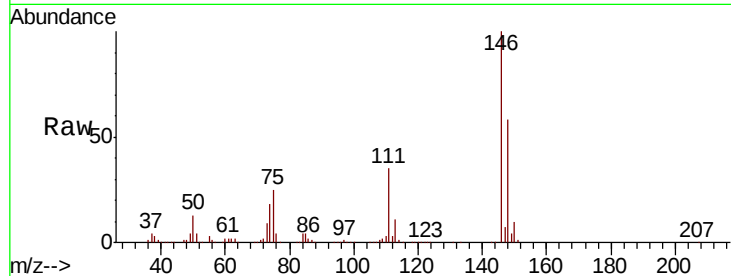




#63
 1,3-Dichlorobenzene
 Concen: 25.453 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017322.D
 Acq: 18 Nov 2020 12:09

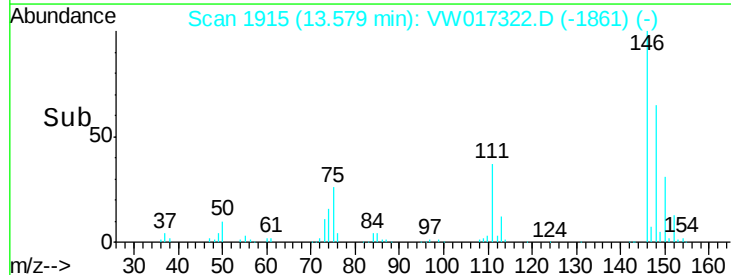
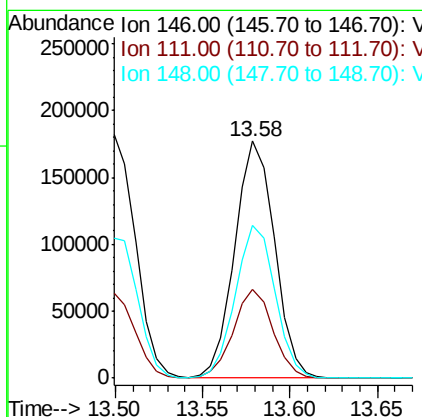
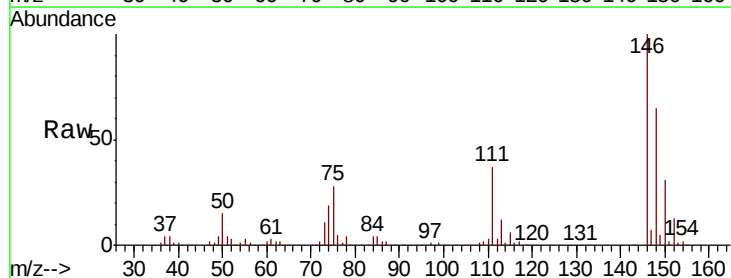
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

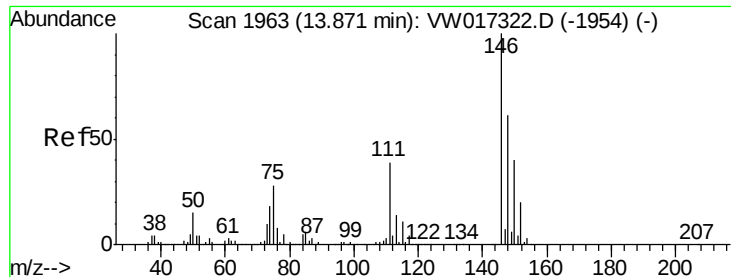
Tot Ion:146 Resp: 286933
 Ion Ratio Lower Upper
 146 100
 111 35.0 24.5 45.5
 148 57.7 40.4 75.0



#64
 1,4-Dichlorobenzene
 Concen: 24.922 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017322.D
 Acq: 18 Nov 2020 12:09

Tgt Ion:146 Resp: 281201
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.2 48.8
 148 64.6 45.2 84.0

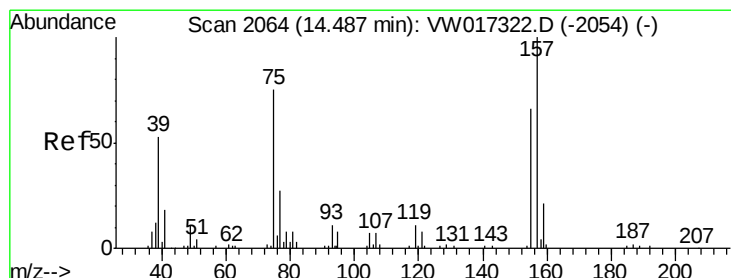
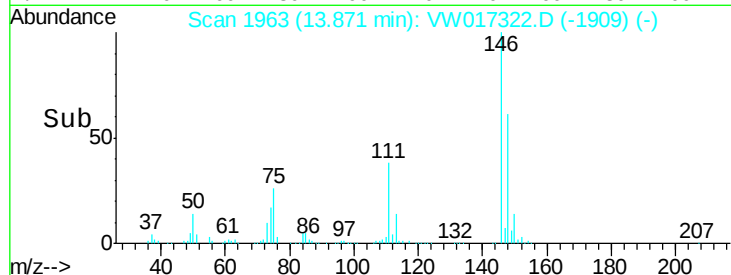
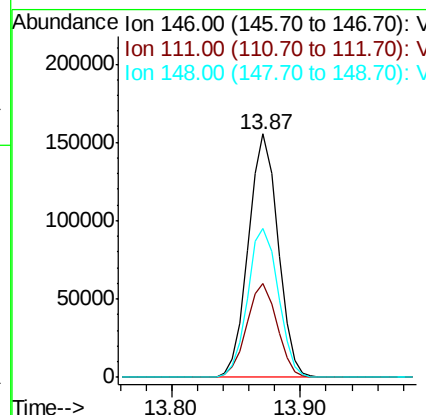
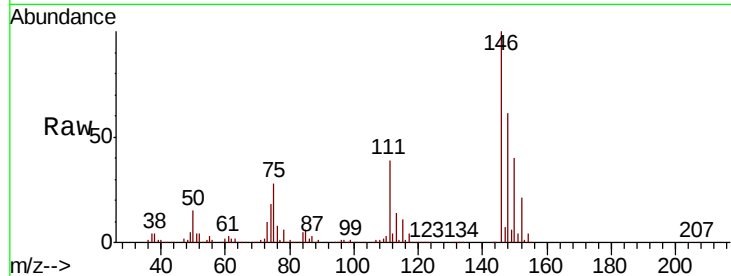




#65
 1,2-Dichlorobenzene
 Concen: 24.658 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017322.D
 Acq: 18 Nov 2020 12:09

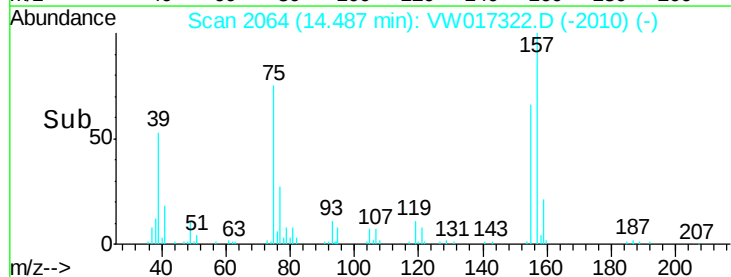
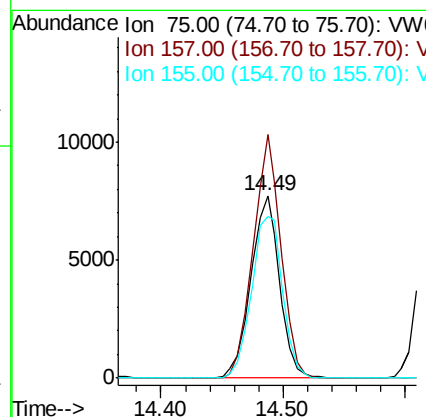
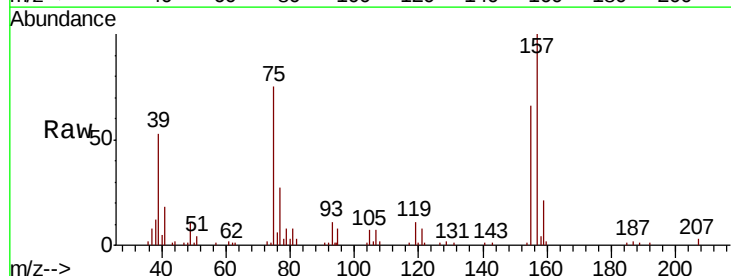
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

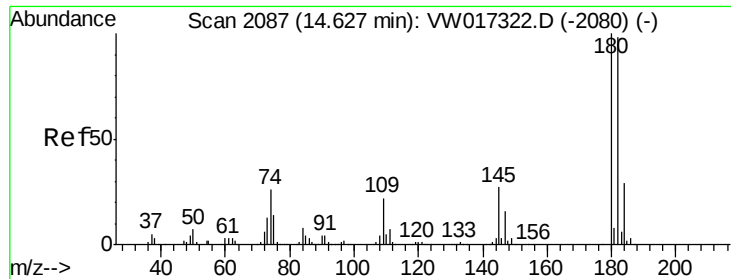
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	30.8	46.2
148	61.2	49.0	73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.791 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017322.D
 Acq: 18 Nov 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
157	133.4	106.7	160.1
155	88.3	70.6	106.0

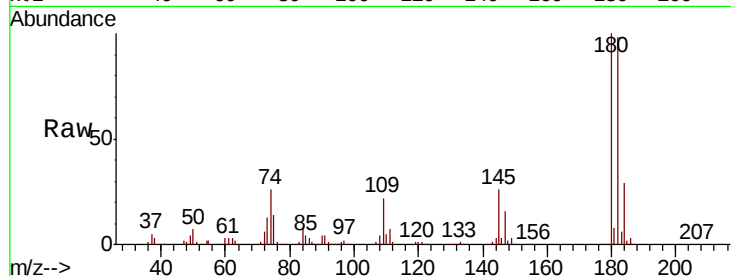




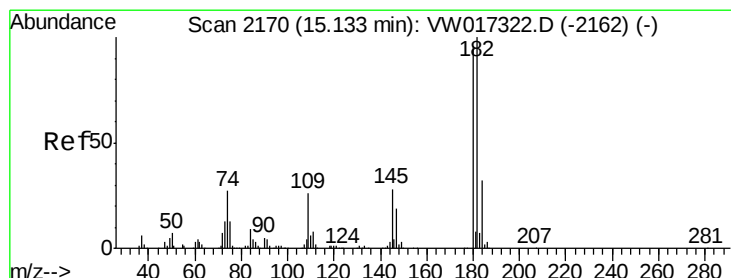
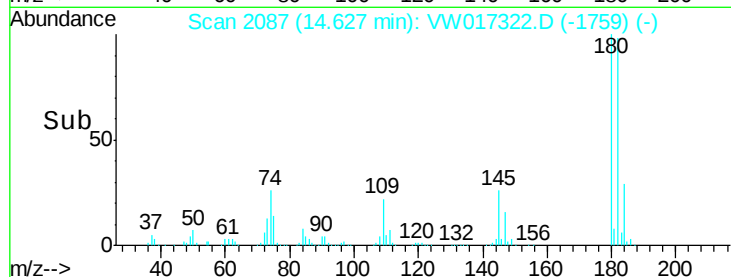
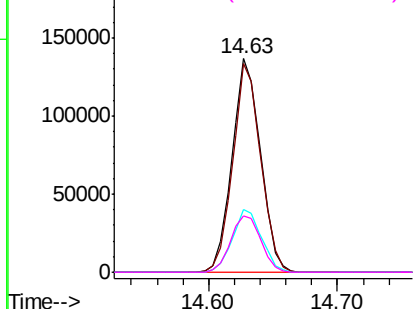
#67
 1,3,5-Trichlorobenzene
 Concen: 25.362 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017322.D
 Acq: 18 Nov 2020 12:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

Tot Ion:180	Resp:	209681
Ion Ratio	Lower	Upper
180	100	
182	96.0	76.8 115.2
184	29.9	23.9 35.9
145	28.2	22.6 33.8

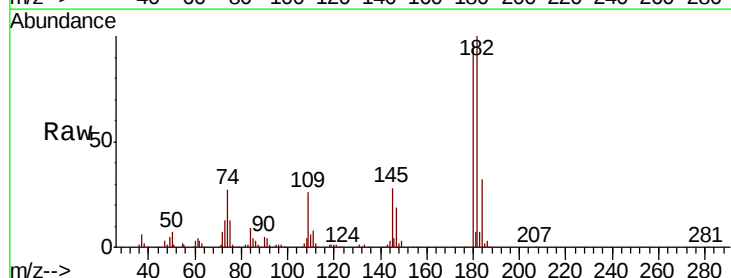


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

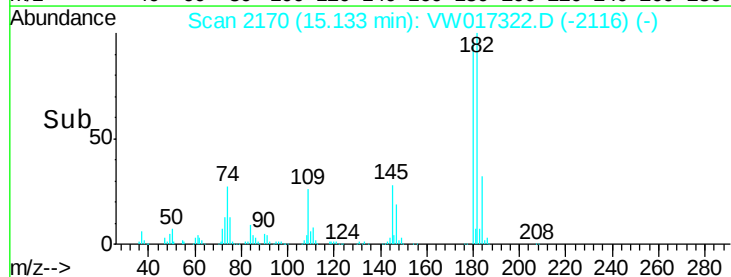
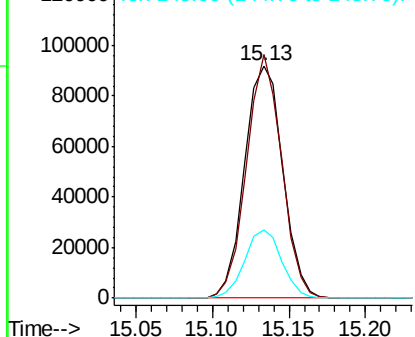


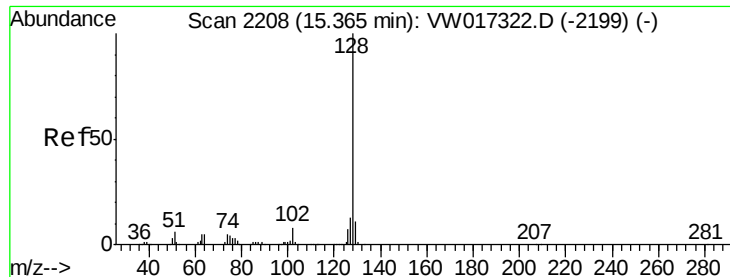
#68
 1,2,4-trichlorobenzene
 Concen: 24.628 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017322.D
 Acq: 18 Nov 2020 12:09

Tgt Ion:180	Resp:	159868
Ion Ratio	Lower	Upper
180	100	
182	96.3	77.0 115.6
145	28.6	22.9 34.3



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: 20.128 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

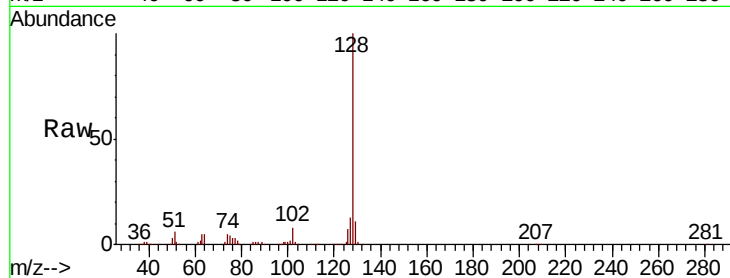
Tot Ion:128 Resp: 227367

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

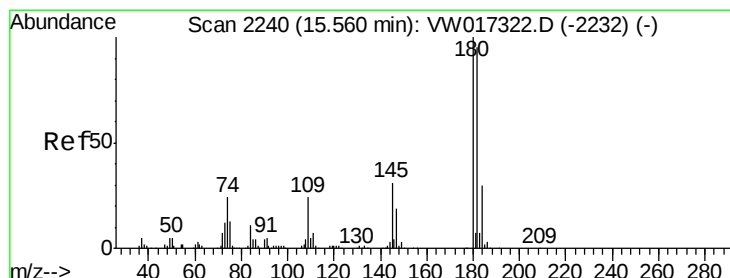
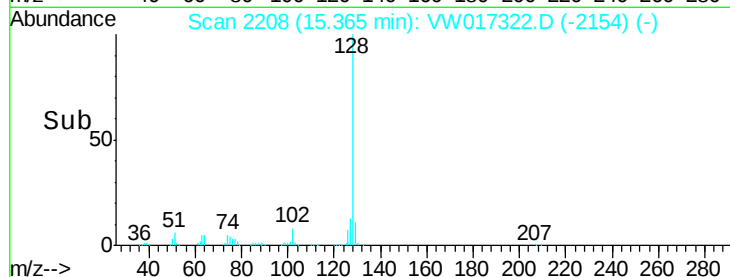
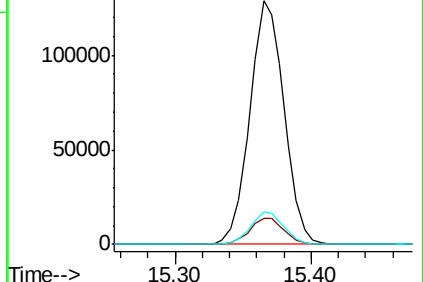
127 13.0 10.4 15.6



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: 22.928 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW017322.D

Acq: 18 Nov 2020 12:09

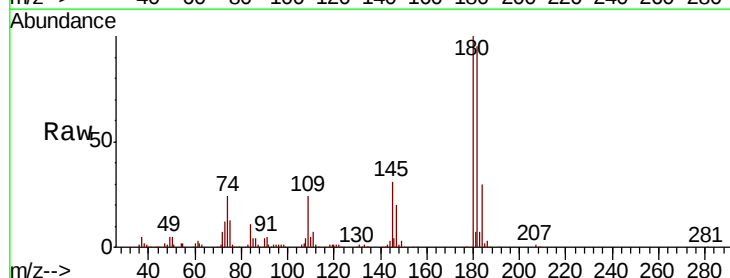
Tgt Ion:180 Resp: 134089

Ion Ratio Lower Upper

180 100

182 98.3 78.6 118.0

145 31.7 25.4 38.0



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

