

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110220\
 Data File : VW017050.D
 Acq On : 02 Nov 2020 16:19
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Quant Time: Nov 03 04:57:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 04:48:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	420425	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	384547	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	202274	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	106278	21.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.60%
7) Chloroethane-d5	2.90	69	93865	24.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.88%
10) 1,1-Dichloroethene-d2	4.03	63	233677	24.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.04%
20) 2-Butanone-d5	7.08	46	61337	67.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.22%
24) Chloroform-d	7.65	84	261155	26.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.72%
26) 1,2-Dichloroethane-d4	8.31	65	125106	27.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.64%
29) Benzene-d6	8.28	84	507805	25.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.84%
33) 1,2-Dichloropropane-d6	9.28	67	143677	26.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.80%
37) Toluene-d8	10.33	98	484089	26.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.12%
38) trans-1,3-Dichloropropene-	10.58	79	62223	27.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.00%
39) 2-Hexanone-d5	10.93	63	51812	69.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.42%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124483	30.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	122.60%#
61) 1,2-Dichlorobenzene-d4	13.85	152	189790	26.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	121545	25.346	ug/L	98
3) Chloromethane	2.22	50	103093	24.907	ug/L	98
5) Vinyl chloride	2.37	62	165374	27.278	ug/L	98
6) Bromomethane	2.79	94	110838	26.920	ug/L	99
8) Chloroethane	2.93	64	98910	28.350	ug/L	95
9) Trichlorofluoromethane	3.27	101	142931	29.725	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	163328	28.182	ug/L	99
12) 1,1-Dichloroethene	4.05	96	155068	28.176	ug/L	90
13) Acetone	4.12	43	41167	66.933	ug/L	97
14) Carbon disulfide	4.39	76	434091	26.017	ug/L	99
15) Methyl Acetate	4.67	43	49967	31.117	ug/L	97
16) Methylene chloride	4.92	84	169075	30.416	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	177478	29.583	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	157143	27.301	ug/L	97
19) 1,1-Dichloroethane	6.22	63	248117	28.147	ug/L	98
21) 2-Butanone	7.18	43	61384	59.637	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	162669	27.954	ug/L	97

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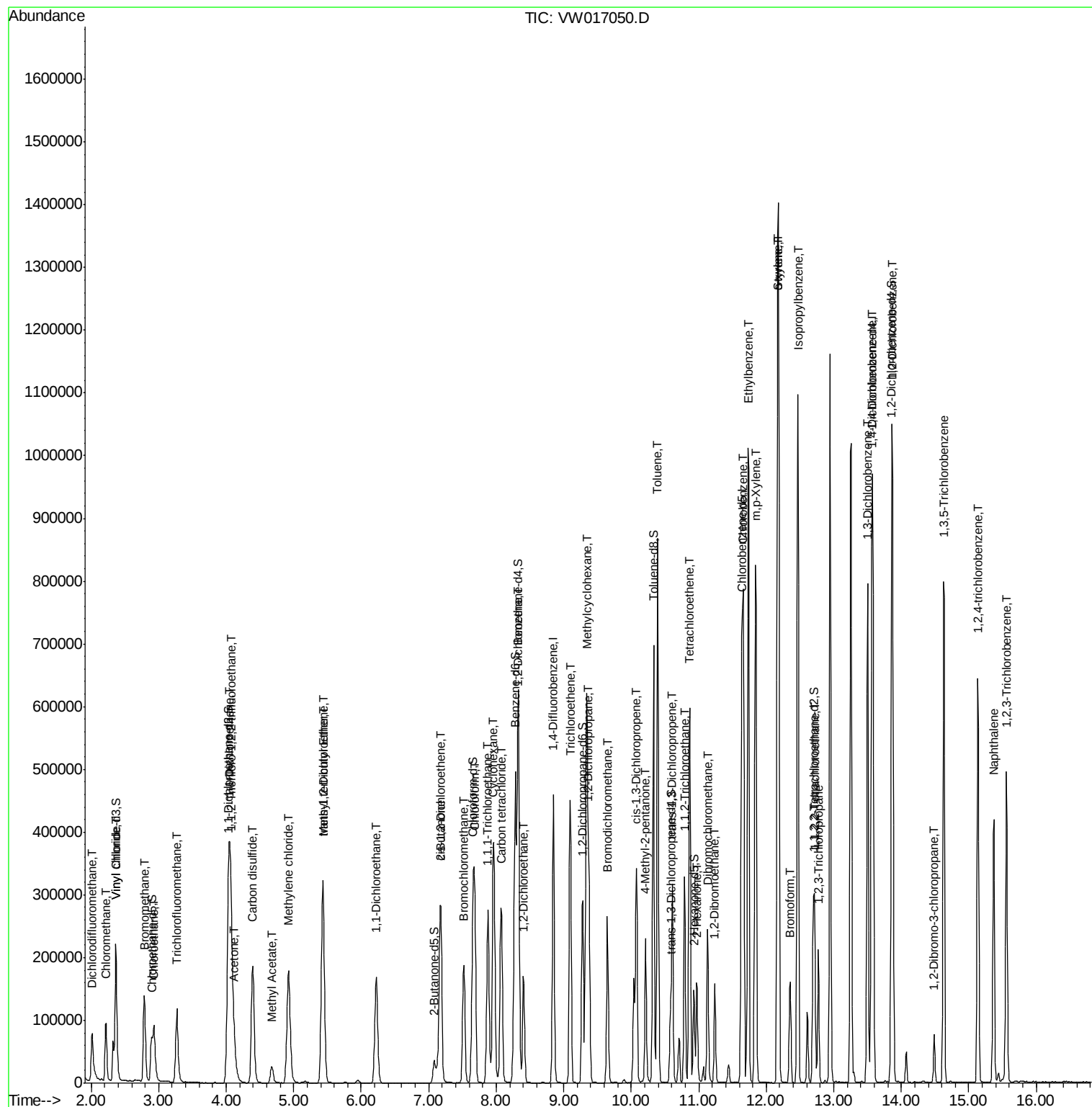
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	76338	28.417	ug/L	93
25) Chloroform	7.68	83	267398	28.495	ug/L	99
27) 1,2-Dichloroethane	8.40	62	155011	29.007	ug/L	99
30) Cyclohexane	7.96	56	221920	27.588	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	234345	28.148	ug/L	99
32) Carbon tetrachloride	8.07	117	225387	28.205	ug/L	98
34) Benzene	8.33	78	590302	27.787	ug/L	100
35) Trichloroethene	9.10	95	160751	27.322	ug/L	99
36) Methylcyclohexane	9.34	83	273659	27.696	ug/L	99
40) 1,2-Dichloropropane	9.37	63	134743	28.401	ug/L	100
41) Bromodichloromethane	9.65	83	186167	28.911	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	212654	28.665	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	136672	60.773	ug/L	98
44) Toluene	10.39	91	659551	28.656	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	182199	29.647	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	109326	28.790	ug/L	97
47) Tetrachloroethene	10.87	164	147273	27.212	ug/L	95
49) 2-Hexanone	10.97	43	95053	66.320	ug/L	98
50) Dibromochloromethane	11.13	129	136624	29.533	ug/L	96
51) 1,2-Dibromoethane	11.24	107	105827	29.231	ug/L	94
52) Chlorobenzene	11.66	112	433718	28.188	ug/L	98
53) Ethylbenzene	11.73	91	733361	28.372	ug/L	98
54) m,p-Xylene	11.84	106	290589	28.575	ug/L	93
55) o-xylene	12.17	106	272867	28.967	ug/L	96
56) Styrene	12.18	104	466692	29.614	ug/L	98
57) Isopropylbenzene	12.47	105	755524	28.996	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	125371	30.759	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	88778	30.436	ug/L	99
62) Bromoform	12.35	173	79706	28.042	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	359899	27.575	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	358097	27.524	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	321234	27.901	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	18460	29.474	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	272036	28.477	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	212702	28.726	ug/L	98
69) Naphthalene	15.37	128	380526	31.684	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	193681	30.017	ug/L	98

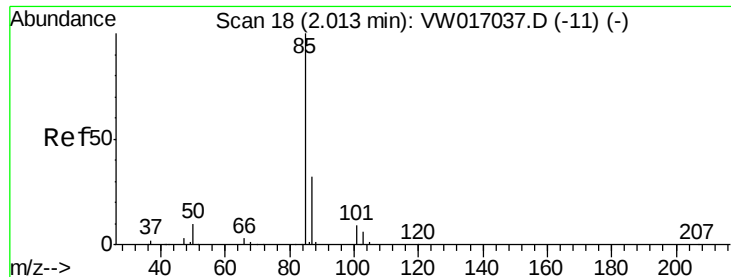
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#2

Dichlorodifluoromethane

Concen: 25.346 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

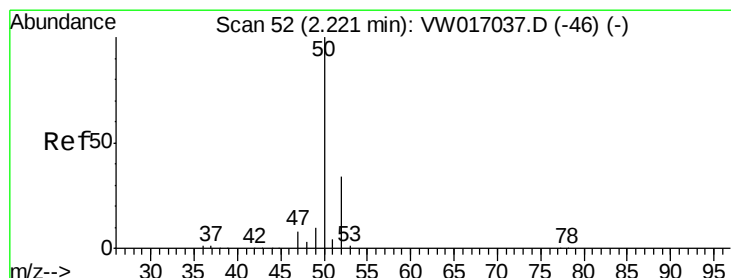
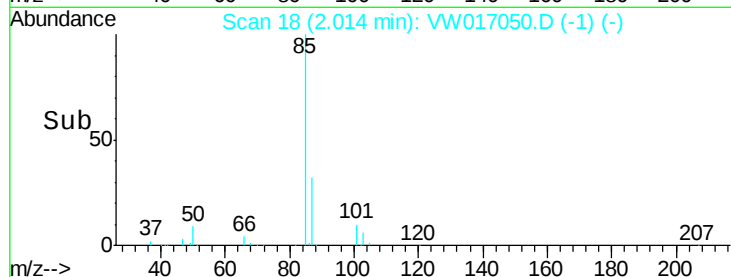
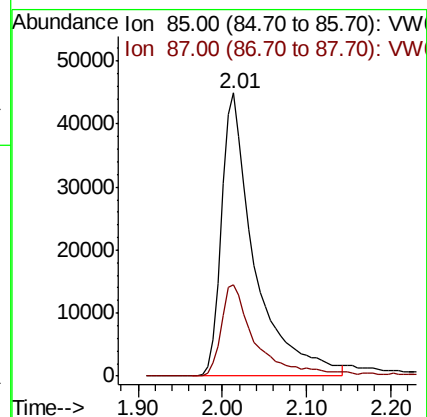
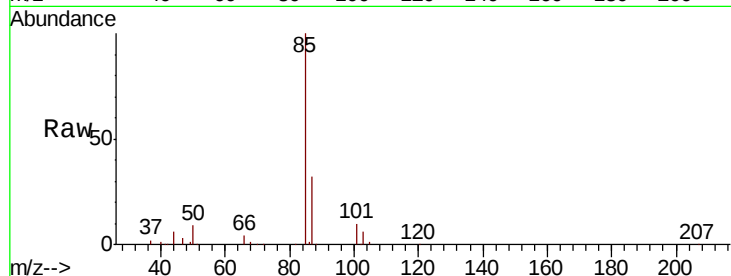
VSTD02510

Tot Ion: 85 Resp: 121545

Ion Ratio Lower Upper

85 100

87 30.9 22.4 41.6



#3

Chloromethane

Concen: 24.907 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW017050.D

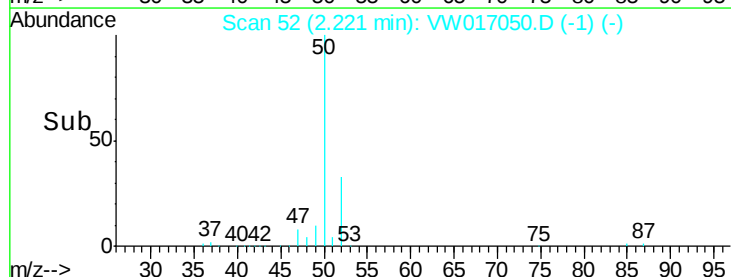
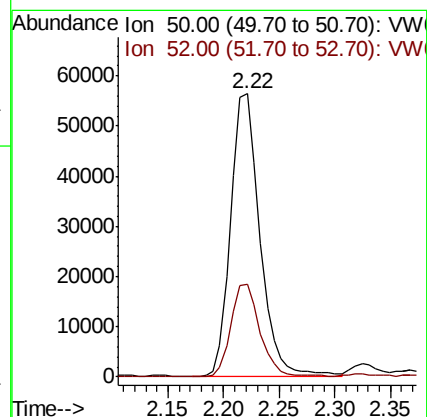
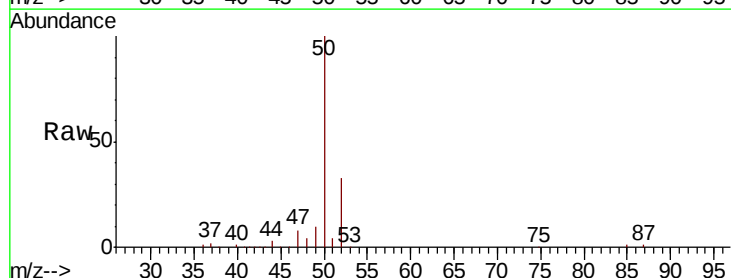
Acq: 02 Nov 2020 16:19

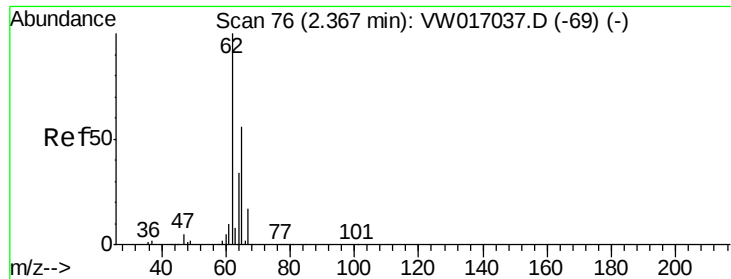
Tgt Ion: 50 Resp: 103093

Ion Ratio Lower Upper

50 100

52 32.6 23.5 43.7





#5

Vinyl chloride

Concen: 27.278 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

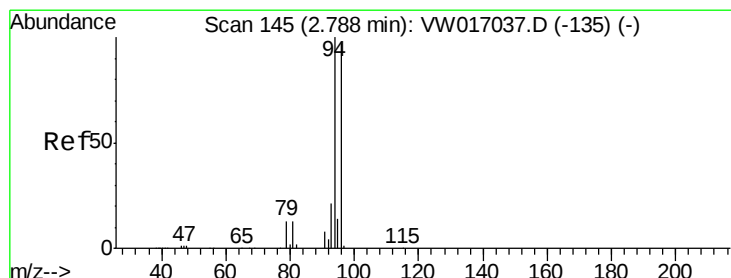
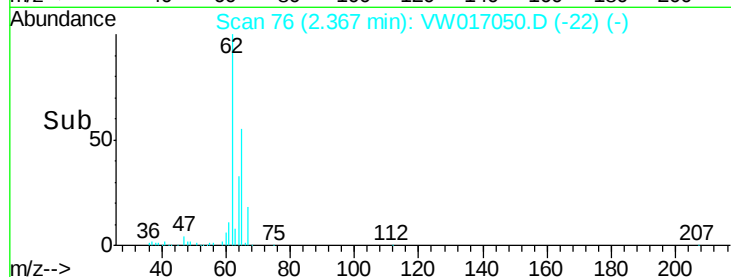
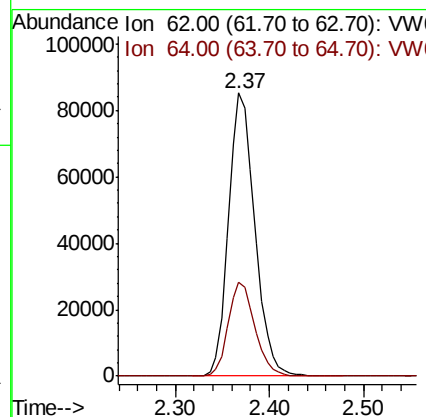
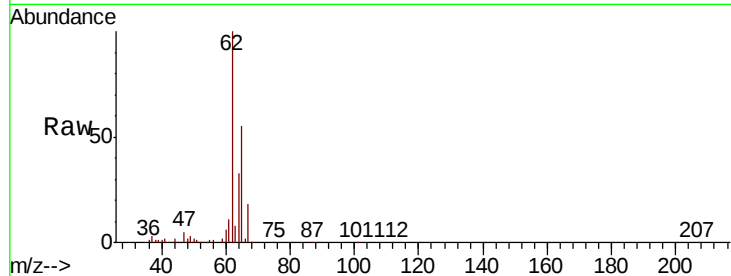
VSTD02510

Tot Ion: 62 Resp: 165374

Ion Ratio Lower Upper

62 100

64 33.1 24.1 44.7



#6

Bromomethane

Concen: 26.920 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW017050.D

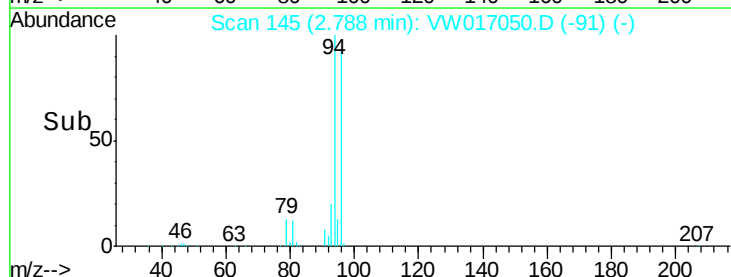
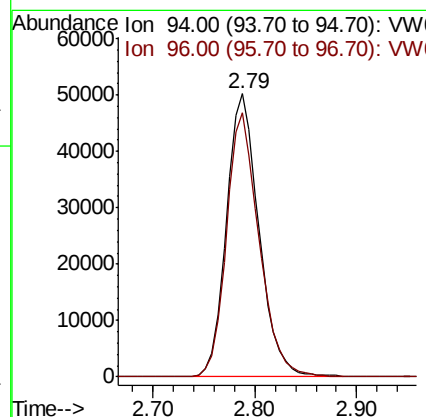
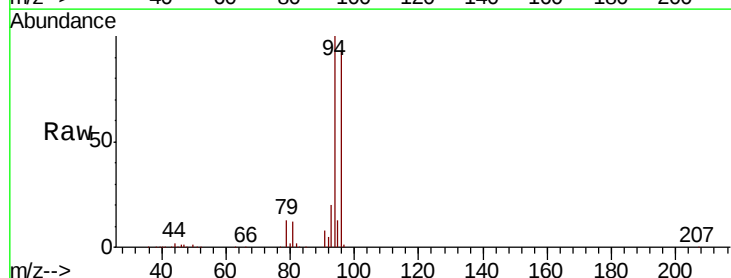
Acq: 02 Nov 2020 16:19

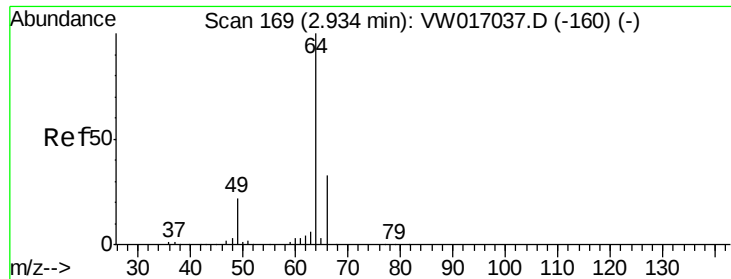
Tgt Ion: 94 Resp: 110838

Ion Ratio Lower Upper

94 100

96 93.6 9.4 178.8





#8

Chloroethane

Concen: 28.350 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

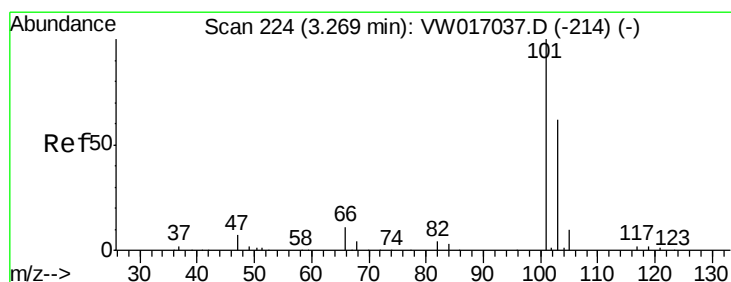
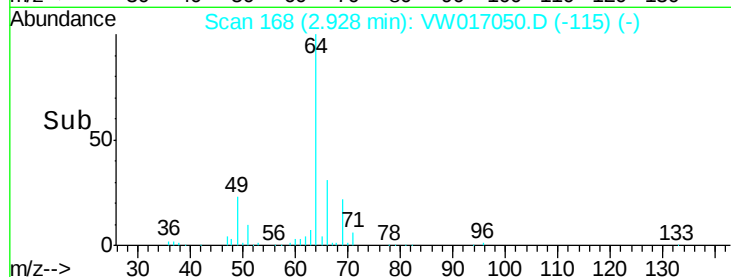
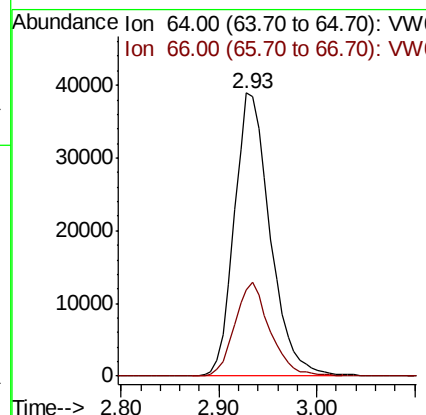
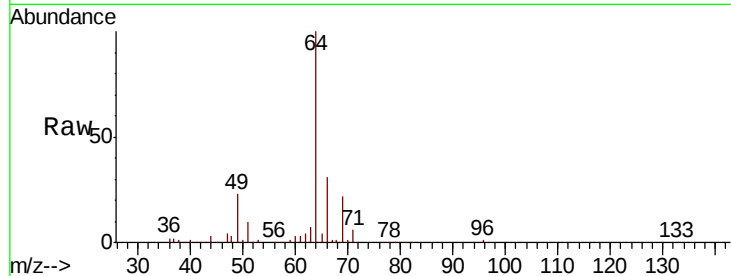
VSTD02510

Tot Ion: 64 Resp: 98910

Ion Ratio Lower Upper

64 100

66 30.6 23.4 43.6



#9

Trichlorofluoromethane

Concen: 29.725 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW017050.D

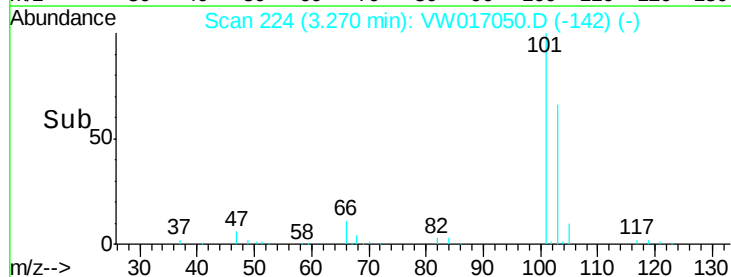
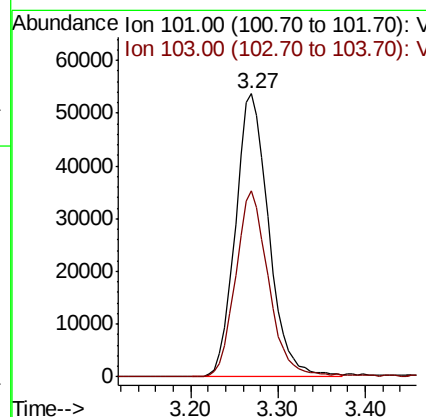
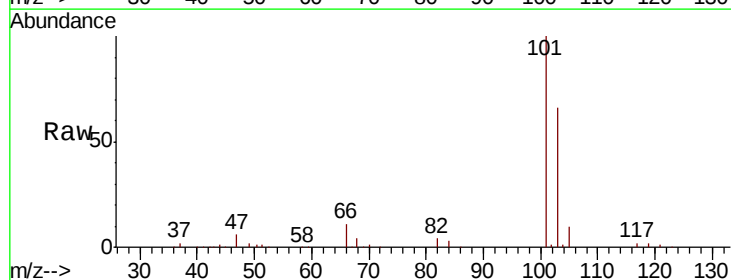
Acq: 02 Nov 2020 16:19

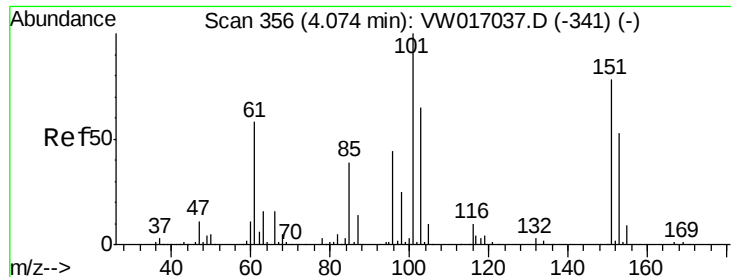
Tgt Ion: 101 Resp: 142931

Ion Ratio Lower Upper

101 100

103 64.3 44.9 83.5





#11

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

Concen: 28.182 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

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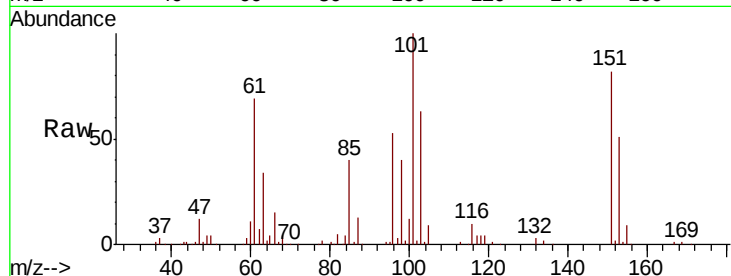
Tot Ion:101 Resp: 163328

Ion Ratio Lower Upper

101 100

85 39.6 32.5 48.7

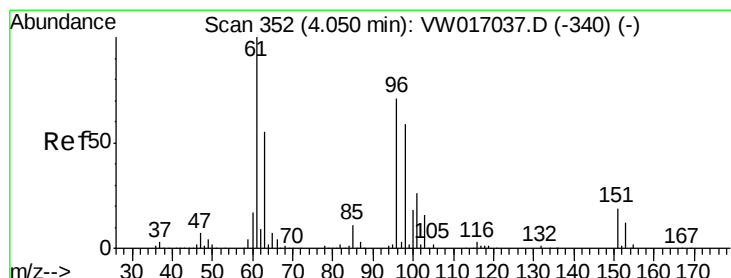
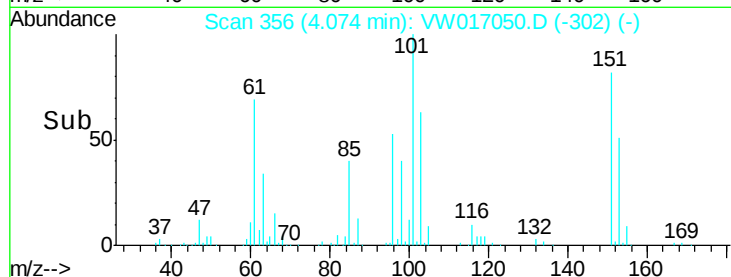
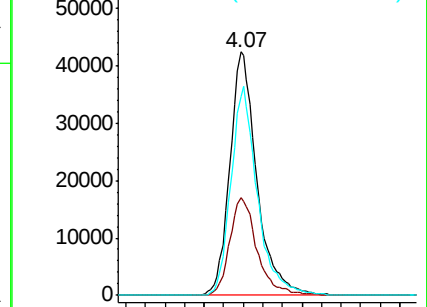
151 83.0 65.7 98.5



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: 28.176 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

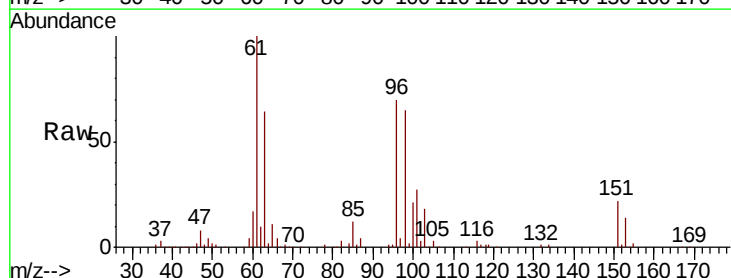
Tgt Ion: 96 Resp: 155068

Ion Ratio Lower Upper

96 100

61 142.2 101.4 188.4

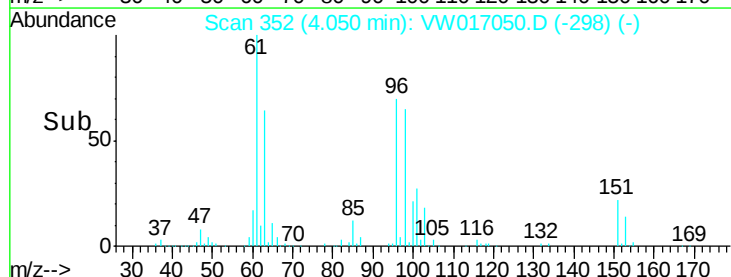
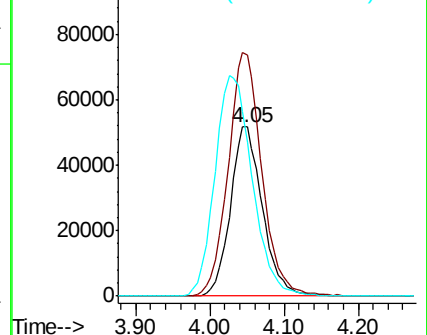
63 91.1 78.5 145.9

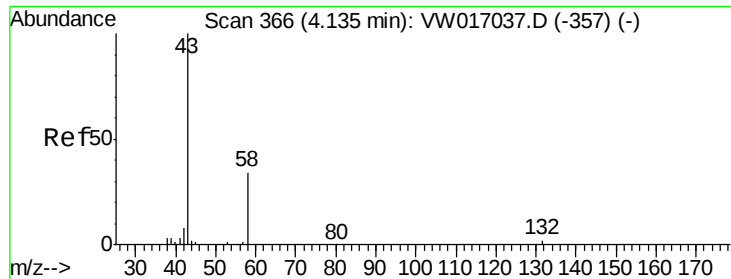


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 66.933 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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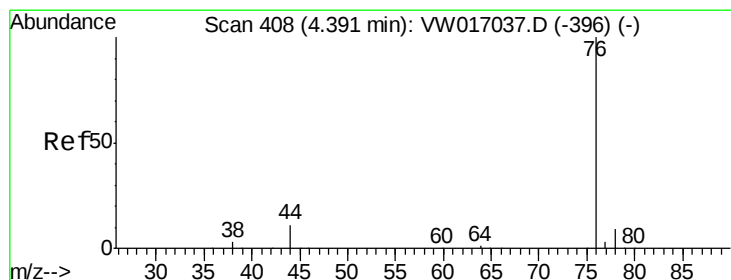
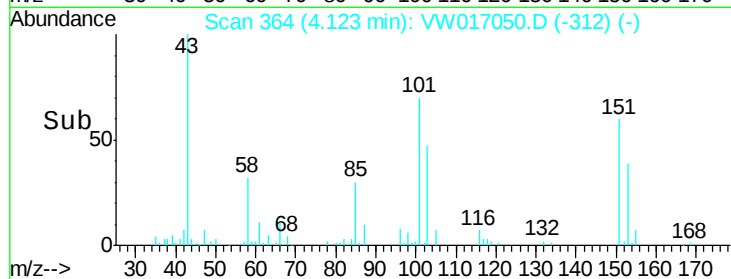
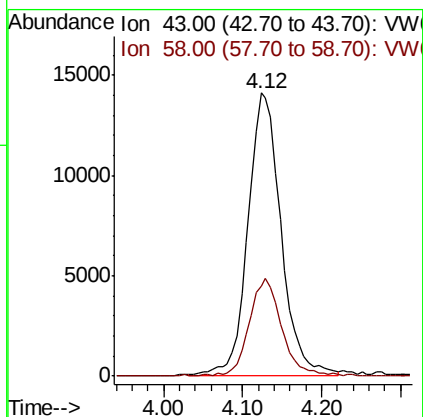
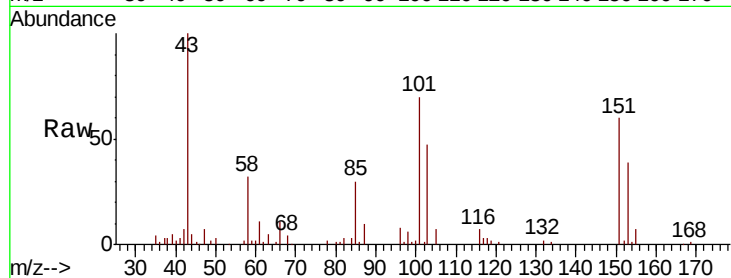
VSTD02510

Tot Ion: 43 Resp: 41167

Ion Ratio Lower Upper

43 100

58 33.4 0.0 69.8



#14

Carbon disulfide

Concen: 26.017 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

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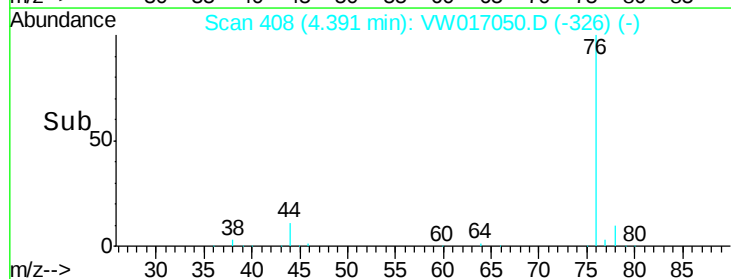
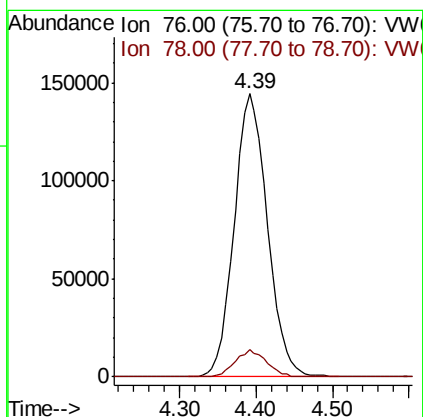
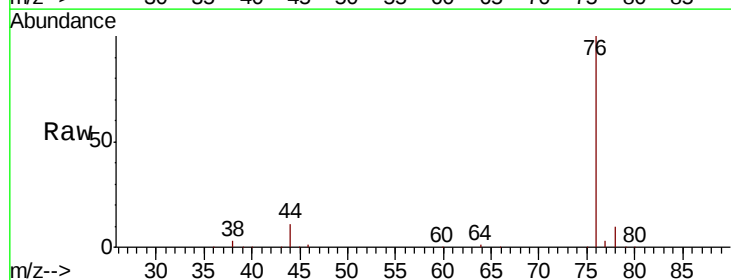
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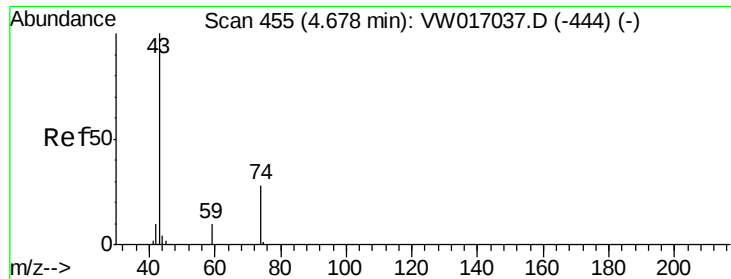
Tgt Ion: 76 Resp: 434091

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

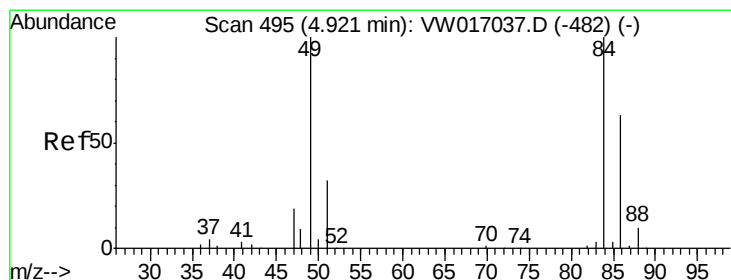
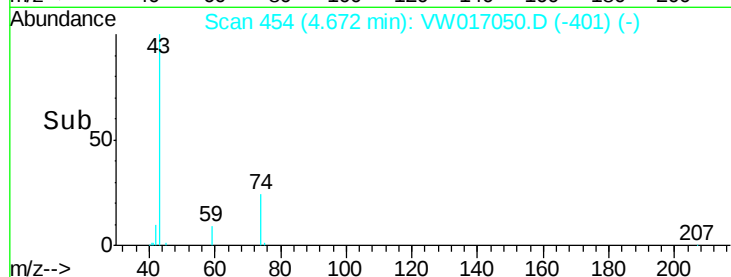
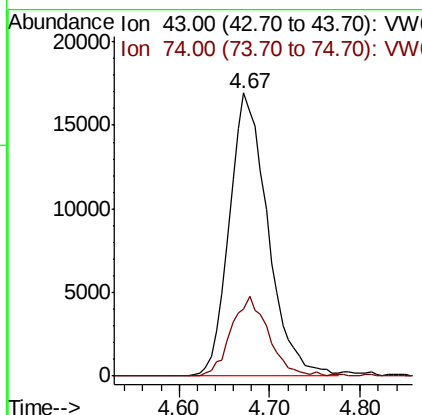
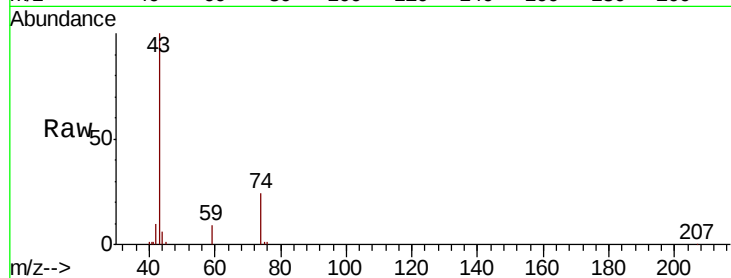




#15
Methvl Acetate
Concen: 31.117 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW017050.D
Acq: 02 Nov 2020 16:19

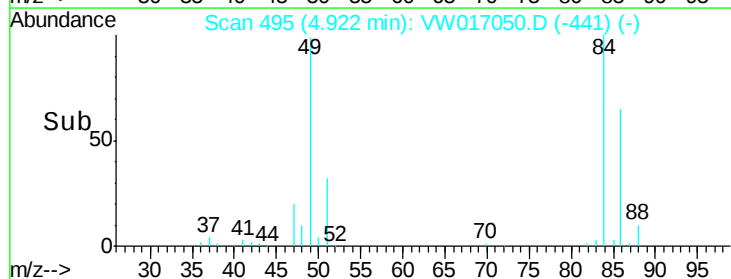
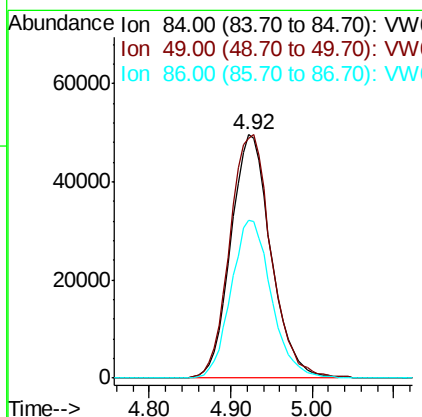
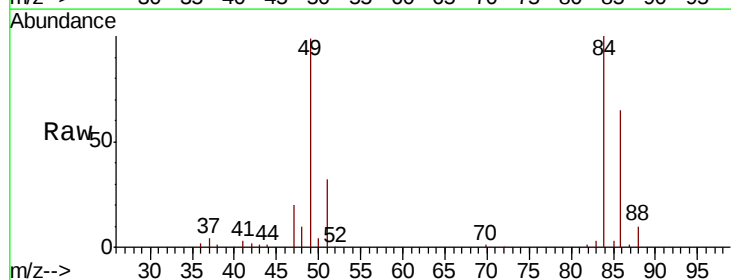
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

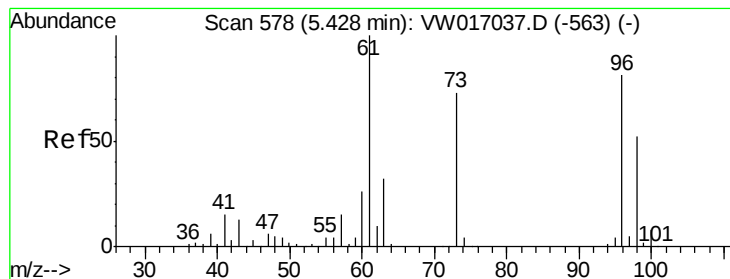
Tot Ion: 43 Resp: 49967
Ion Ratio Lower Upper
43 100
74 26.8 22.8 34.2



#16
Methylene chloride
Concen: 30.416 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017050.D
Acq: 02 Nov 2020 16:19

Tgt Ion: 84 Resp: 169075
Ion Ratio Lower Upper
84 100
49 98.5 73.8 137.0
86 65.1 47.4 88.0





#17

Methvl tert-butvl Ether

Concen: 29.583 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

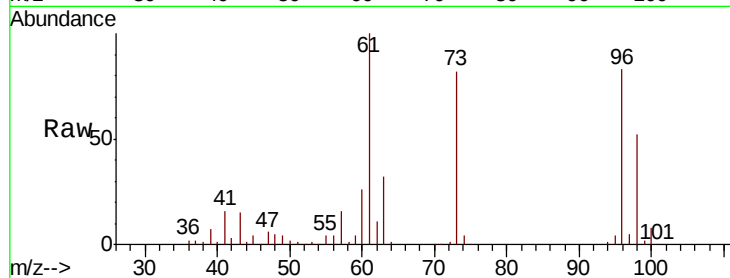
Tot Ion: 73 Resp: 177478

Ion Ratio Lower Upper

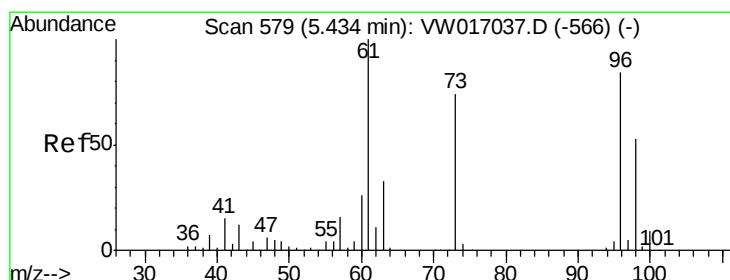
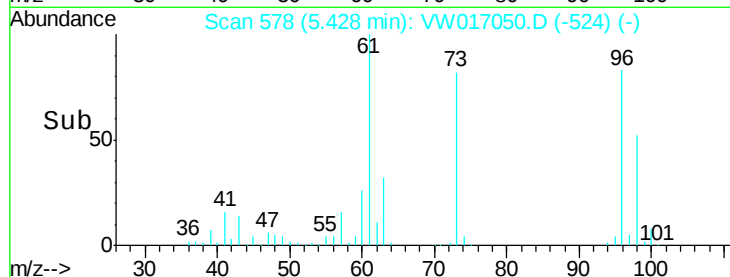
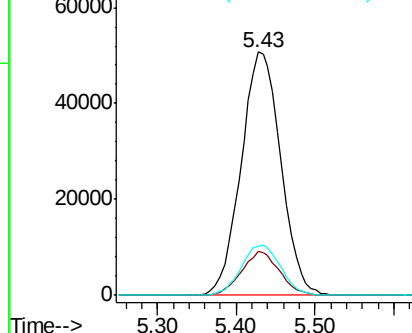
73 100

43 17.3 14.4 21.6

57 20.6 16.6 25.0



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



#18

trans-1,2-Dichloroethene

Concen: 27.301 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

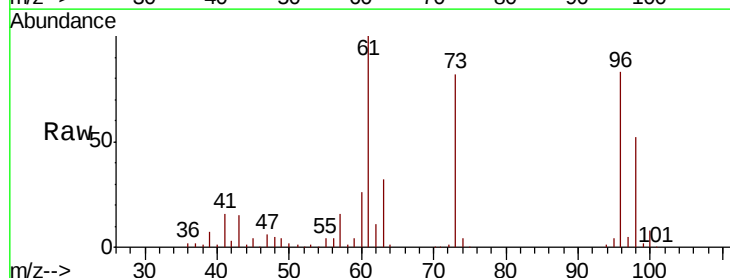
Tgt Ion: 96 Resp: 157143

Ion Ratio Lower Upper

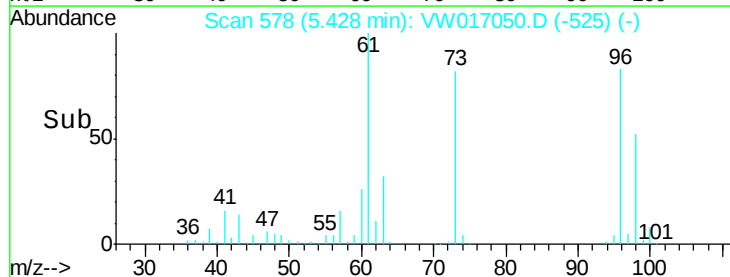
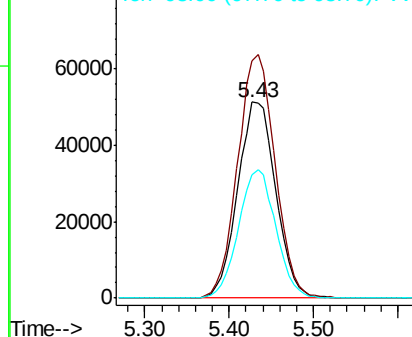
96 100

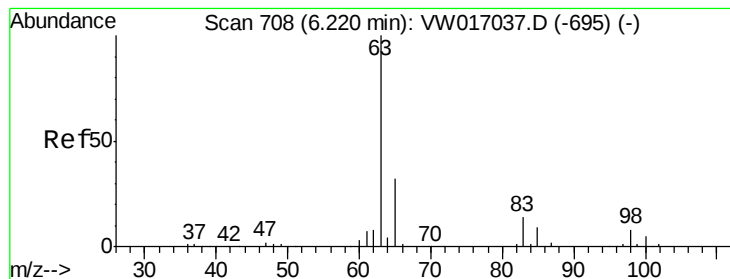
61 121.1 82.7 153.7

98 62.9 42.6 79.0



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





#19

1,1-Dichloroethane

Concen: 28.147 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

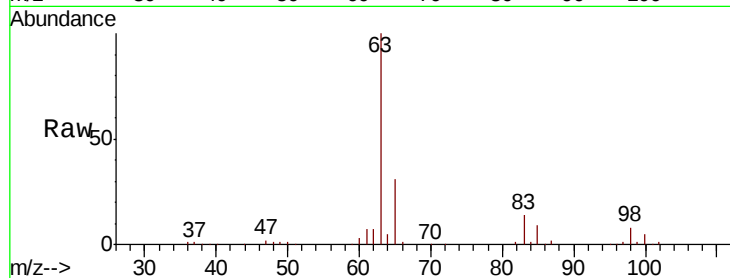
Tot Ion: 63 Resp: 248117

Ion Ratio Lower Upper

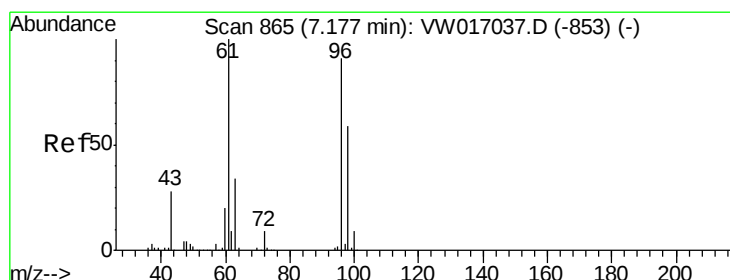
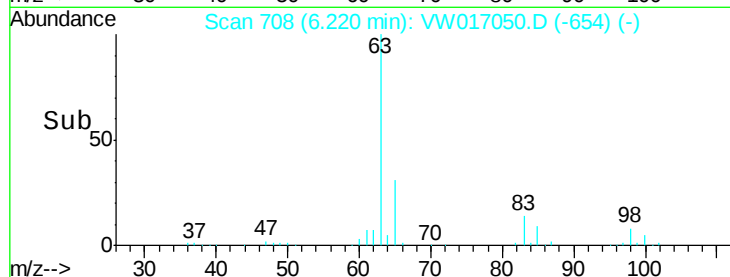
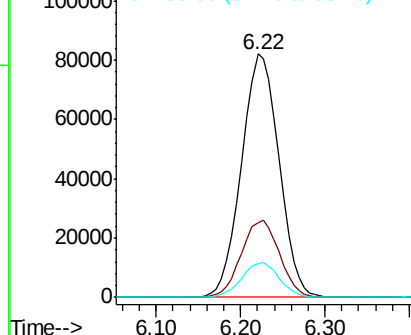
63 100

65 30.9 22.5 41.9

83 13.7 10.1 18.9



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: 59.637 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW017050.D

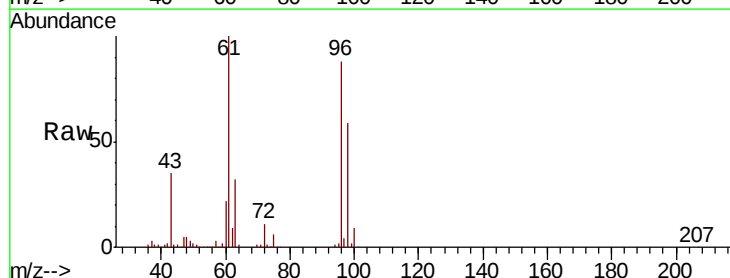
Acq: 02 Nov 2020 16:19

Tgt Ion: 43 Resp: 61384

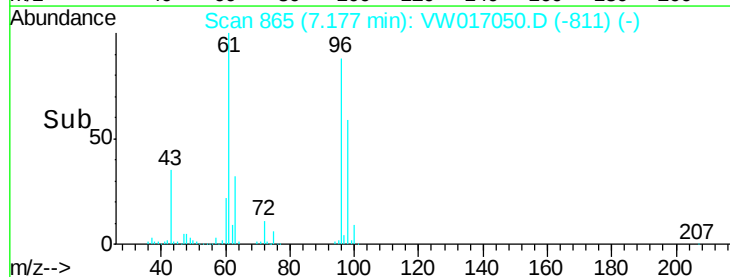
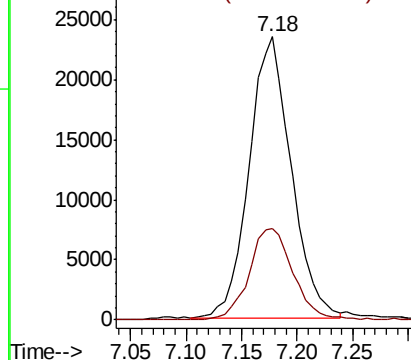
Ion Ratio Lower Upper

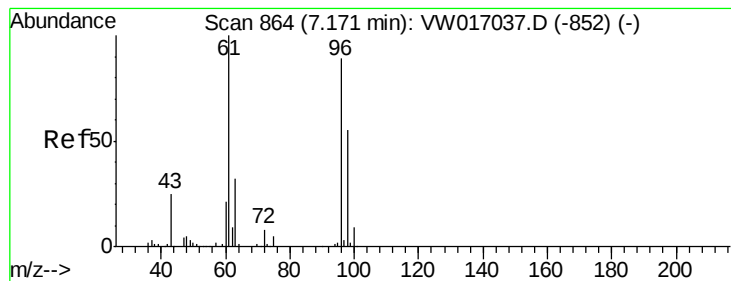
43 100

72 34.0 16.1 48.2



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



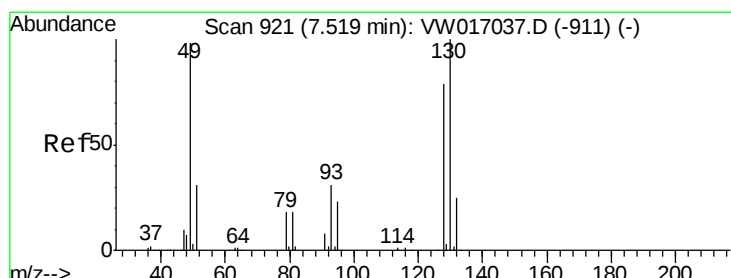
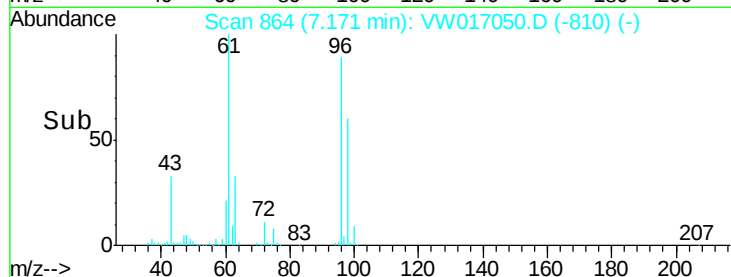
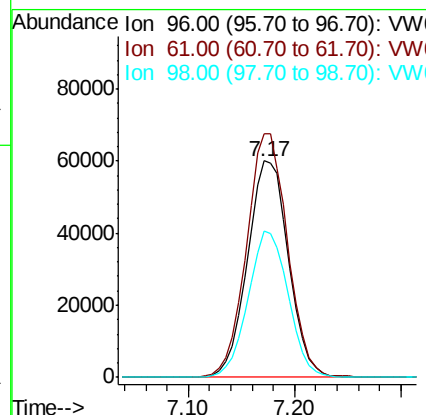
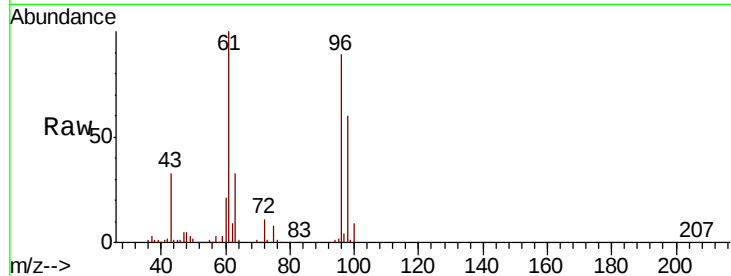


#22

cis-1,2-Dichloroethene
Concen: 27.954 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017050.D
Acq: 02 Nov 2020 16:19

Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

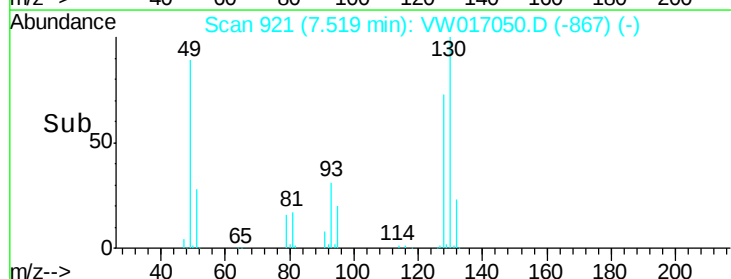
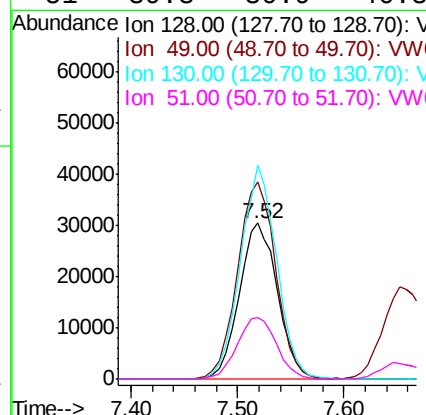
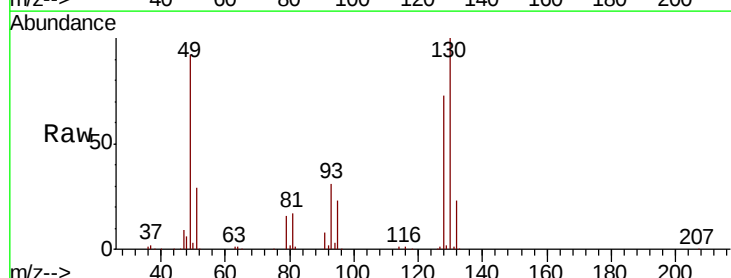
Tot Ion: 96 Resp: 162669
Ion Ratio Lower Upper
96 100
61 112.4 77.4 143.8
98 67.3 44.4 82.5

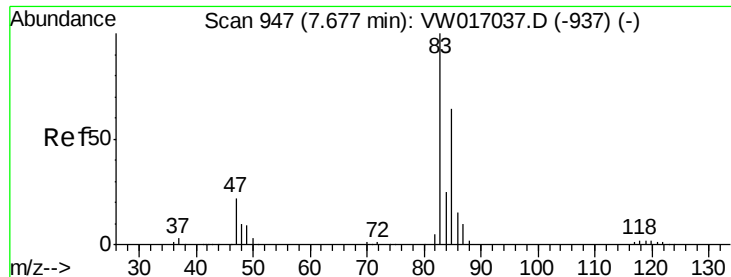


#23

Bromochloromethane
Concen: 28.417 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW017050.D
Acq: 02 Nov 2020 16:19

Tgt Ion: 128 Resp: 76338
Ion Ratio Lower Upper
128 100
49 126.9 86.4 160.4
130 137.2 86.4 160.4
51 39.3 30.9 46.3

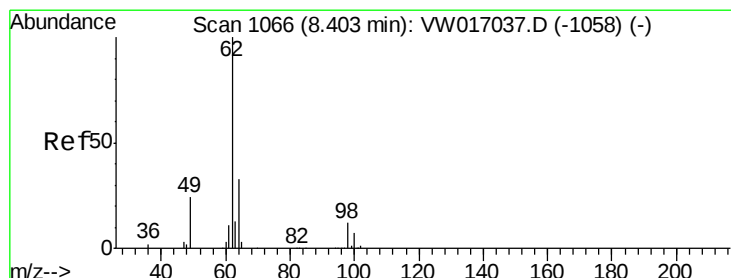
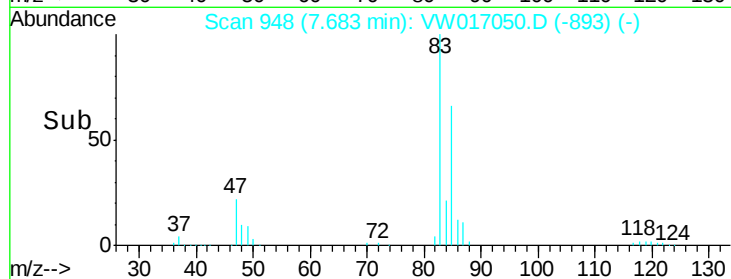
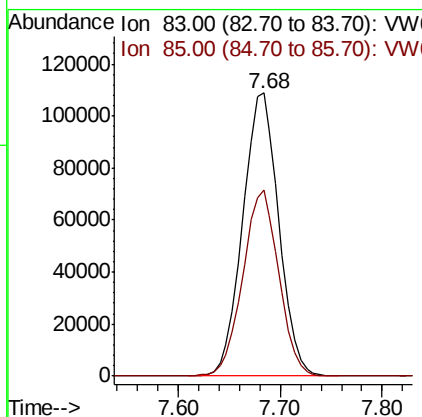
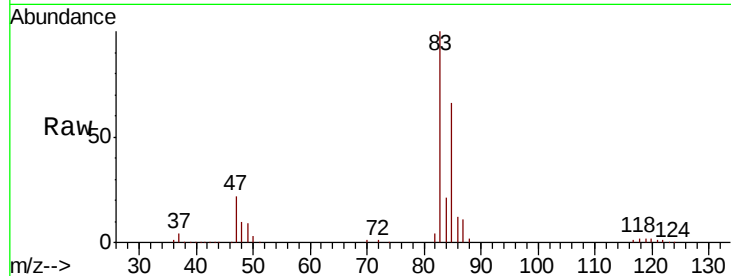




#25
Chloroform
Concen: 28.495 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW017050.D
Acq: 02 Nov 2020 16:19

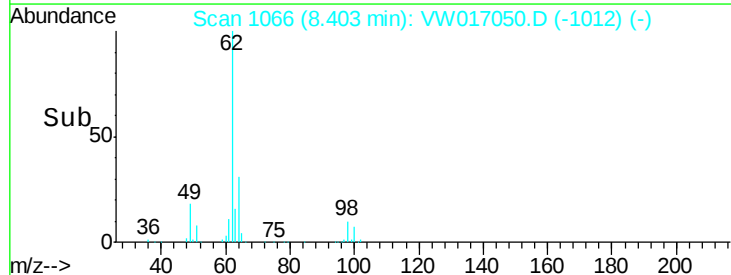
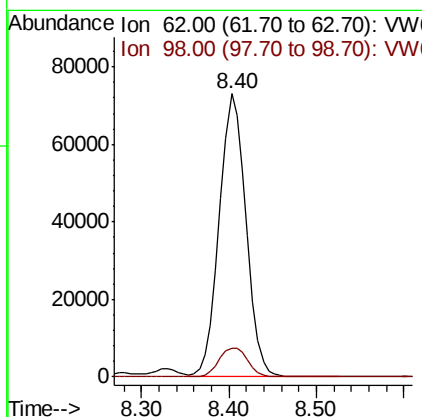
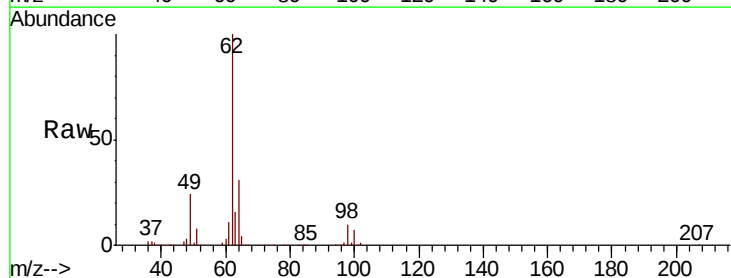
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

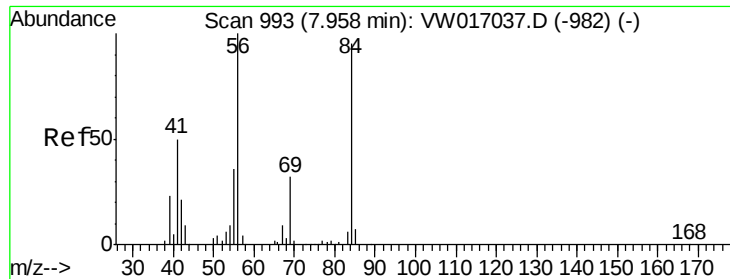
Tot Ion: 83 Resp: 267398
Ion Ratio Lower Upper
83 100
85 65.6 46.6 86.6



#27
1,2-Dichloroethane
Concen: 29.007 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017050.D
Acq: 02 Nov 2020 16:19

Tgt Ion: 62 Resp: 155011
Ion Ratio Lower Upper
62 100
98 10.1 8.5 12.7

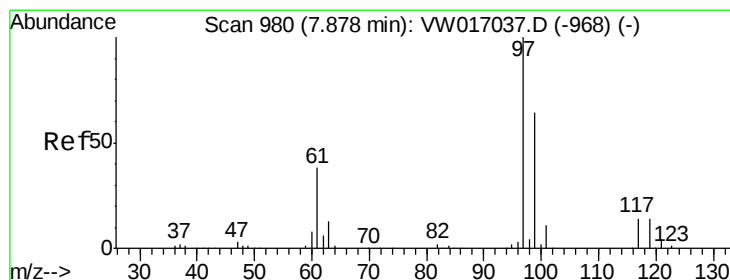
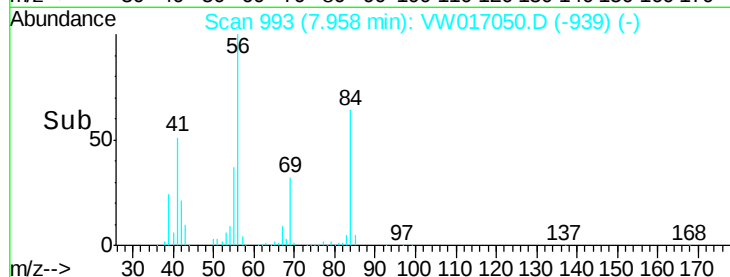
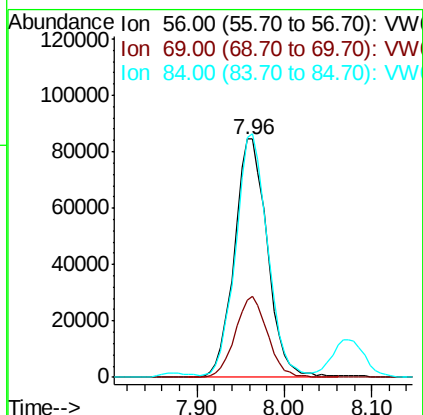
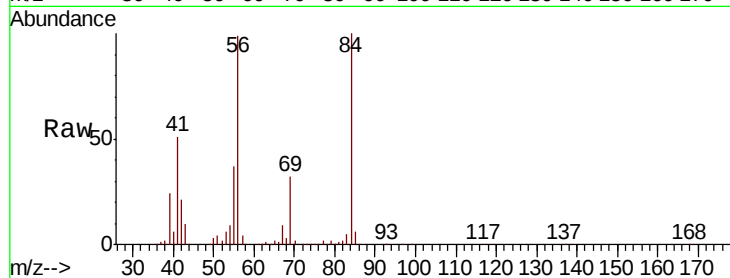




#30
Cyclohexane
Concen: 27.588 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017050.D
Acq: 02 Nov 2020 16:19

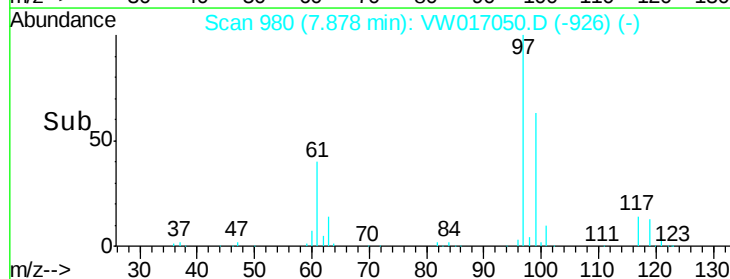
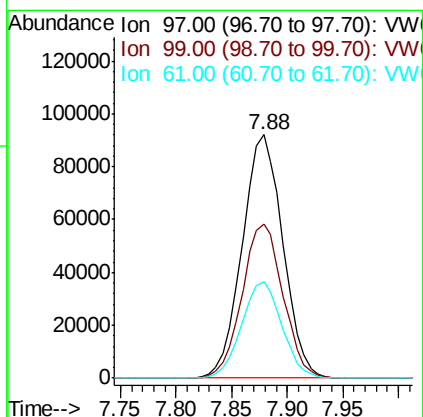
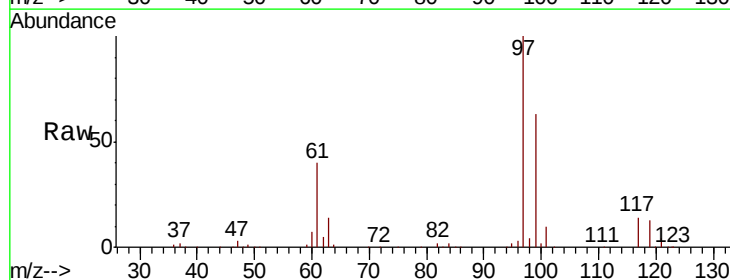
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

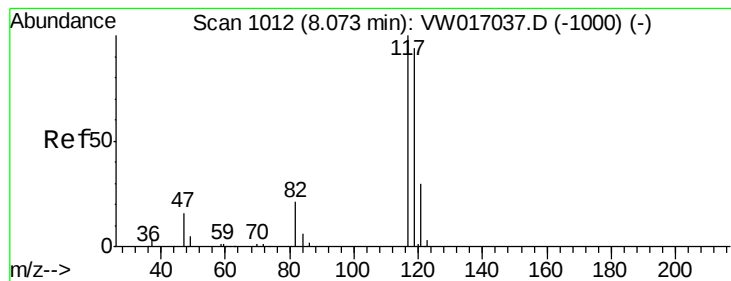
Tot Ion: 56 Resp: 221920
Ion Ratio Lower Upper
56 100
69 33.0 26.0 39.0
84 98.9 78.6 118.0



#31
1,1,1-Trichloroethane
Concen: 28.148 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW017050.D
Acq: 02 Nov 2020 16:19

Tgt Ion: 97 Resp: 234345
Ion Ratio Lower Upper
97 100
99 63.6 51.3 76.9
61 39.1 31.8 47.8





#32

Carbon tetrachloride

Concen: 28.205 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

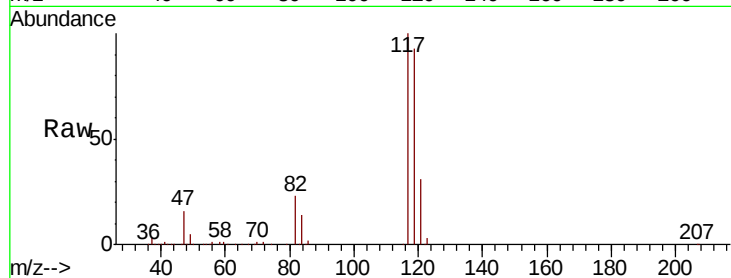
VSTD02510

Tot Ion:117 Resp: 225387

Ion Ratio Lower Upper

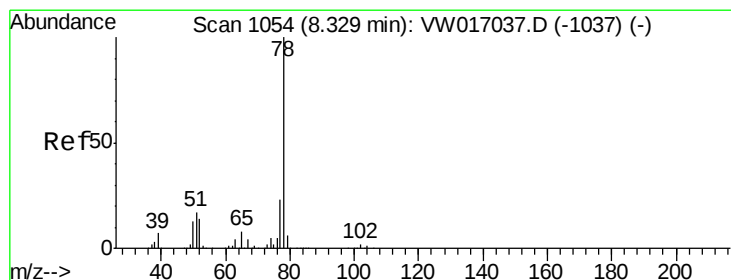
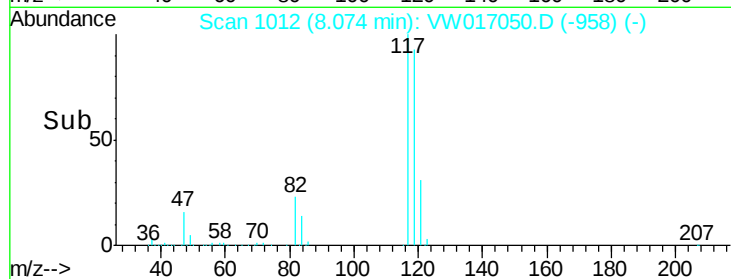
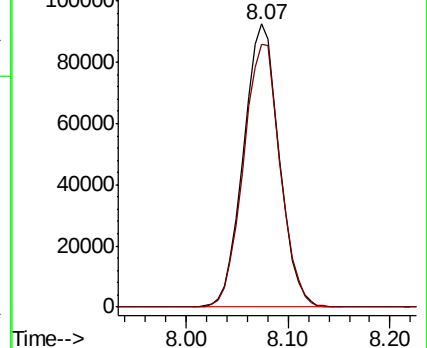
117 100

119 95.7 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.787 ug/L

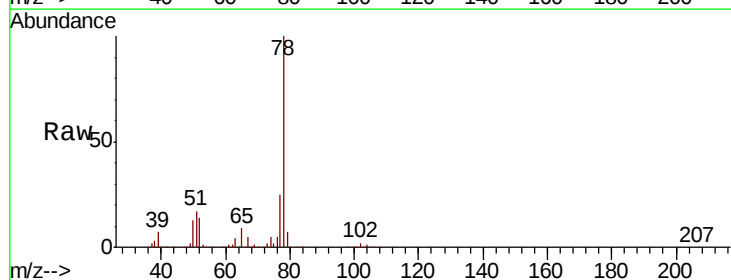
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

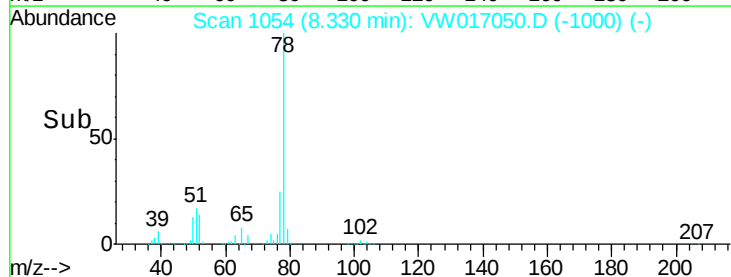
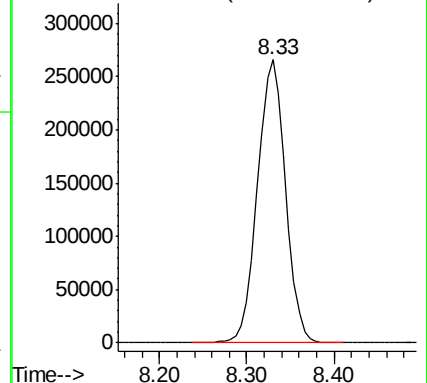
Lab File: VW017050.D

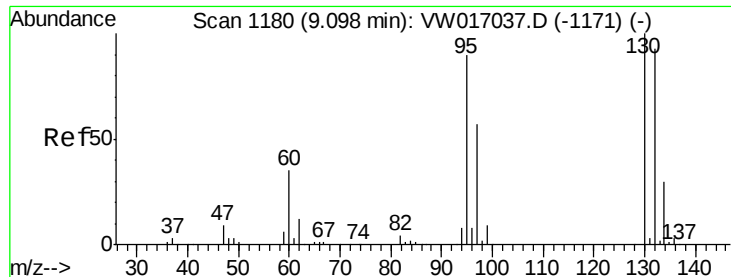
Acq: 02 Nov 2020 16:19

Tgt Ion: 78 Resp: 590302



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 27.322 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tot Ion: 95 Resp: 160751

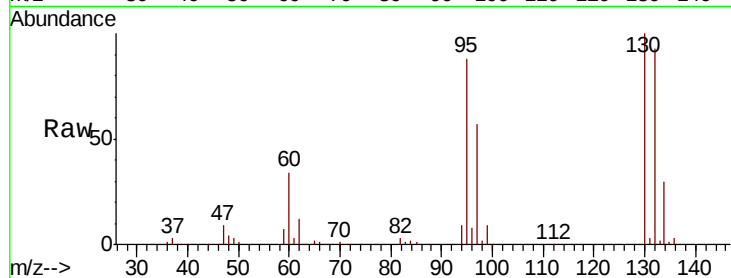
Ion Ratio Lower Upper

95 100

97 65.6 46.0 85.4

132 107.1 73.9 137.3

130 112.9 77.6 144.2



Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW

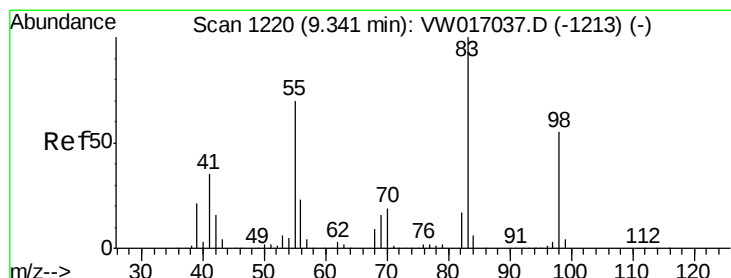
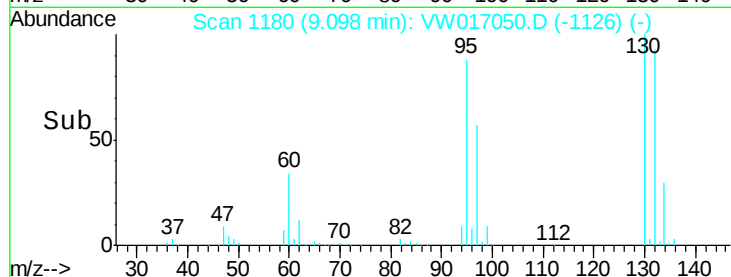
100000

50000

0

9.00 9.10 9.20

Time-->



#36

Methylcyclohexane

Concen: 27.696 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

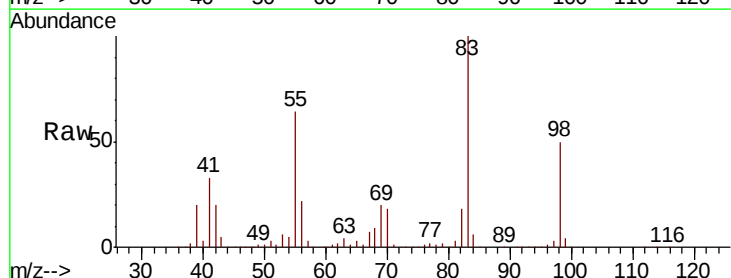
Tgt Ion: 83 Resp: 273659

Ion Ratio Lower Upper

83 100

55 67.5 54.5 81.7

98 51.9 40.8 61.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

150000

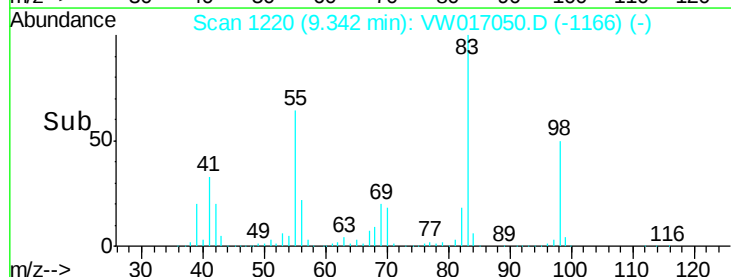
100000

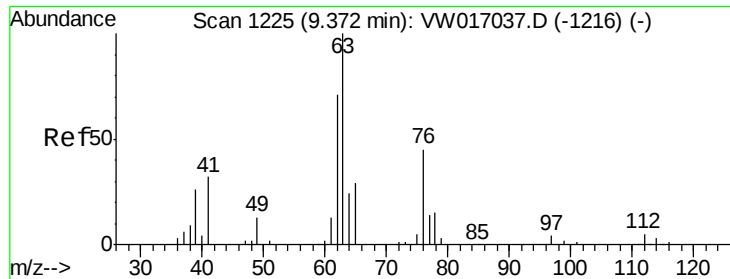
50000

0

9.30 9.35 9.40 9.45

Time-->

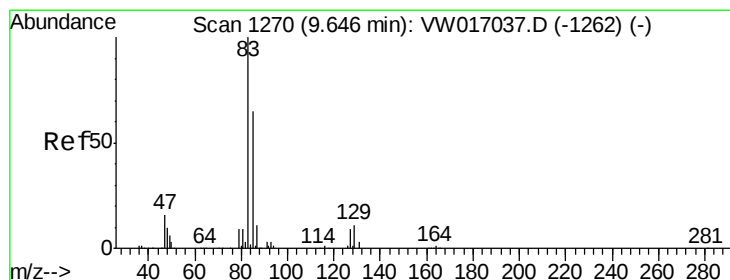
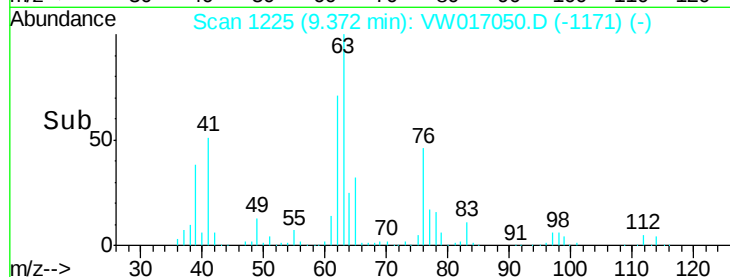
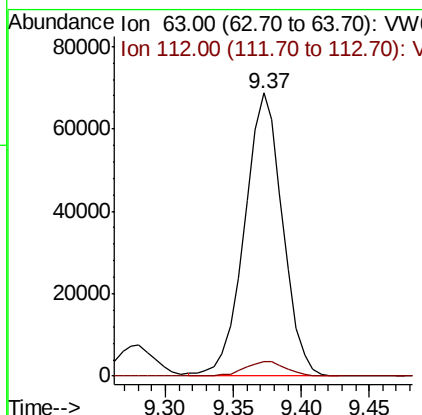
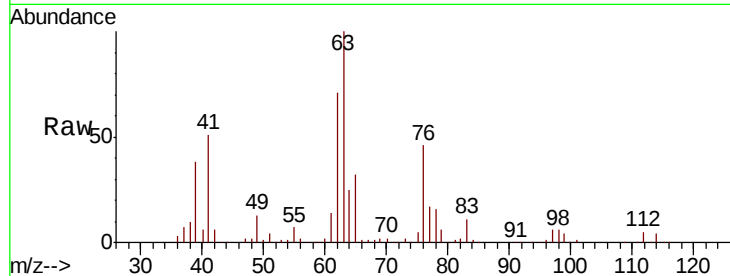




#40
 1,2-Dichloropropane
 Concen: 28.401 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW017050.D
 Acq: 02 Nov 2020 16:19

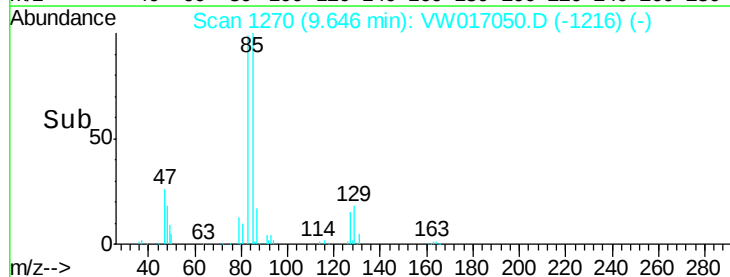
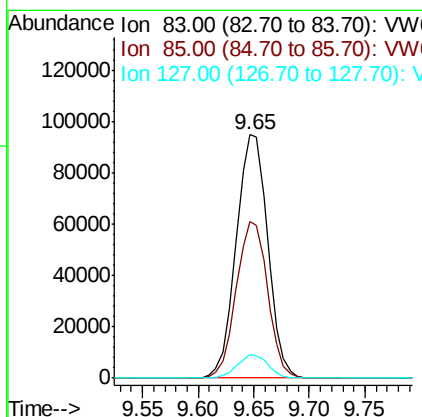
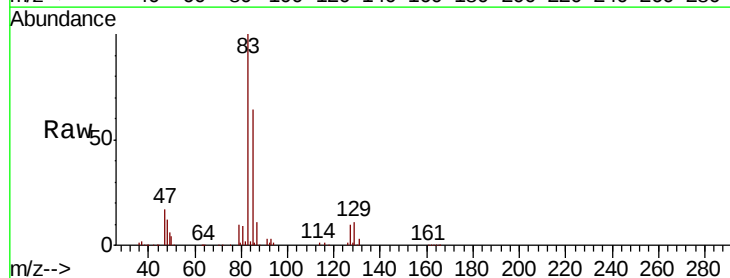
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

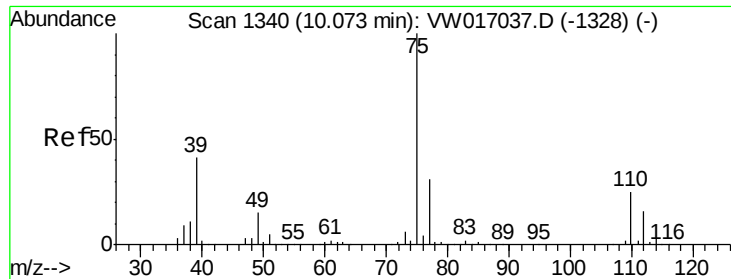
Tot Ion: 63 Resp: 134743
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.5 6.7



#41
 Bromodichloromethane
 Concen: 28.911 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017050.D
 Acq: 02 Nov 2020 16:19

Tgt Ion: 83 Resp: 186167
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.1 83.9
 127 9.6 7.8 11.6

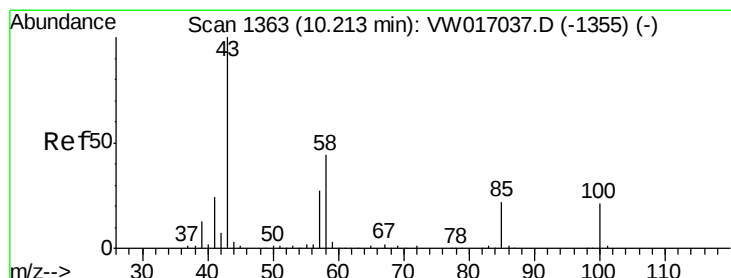
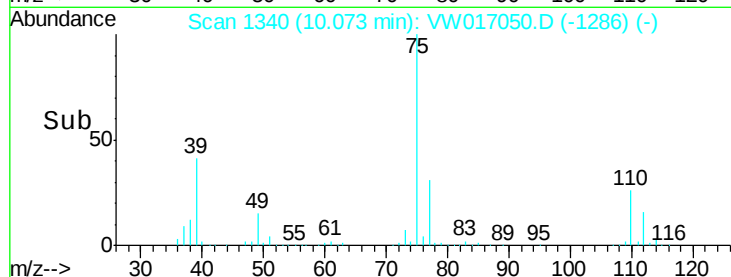
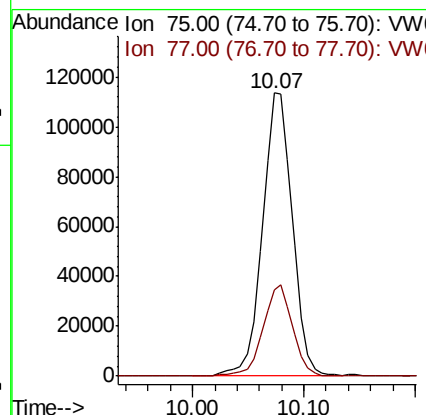
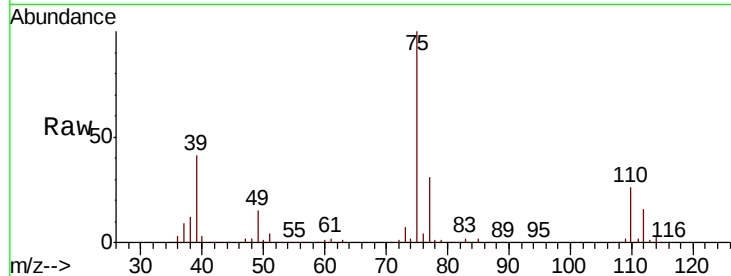




#42
 cis-1,3-Dichloropropene
 Concen: 28.665 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017050.D
 Acq: 02 Nov 2020 16:19

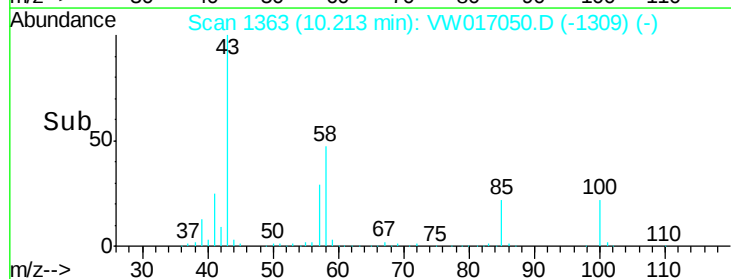
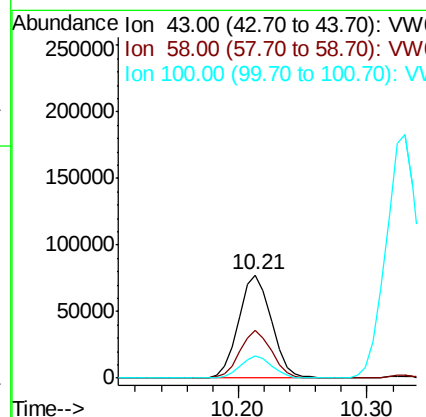
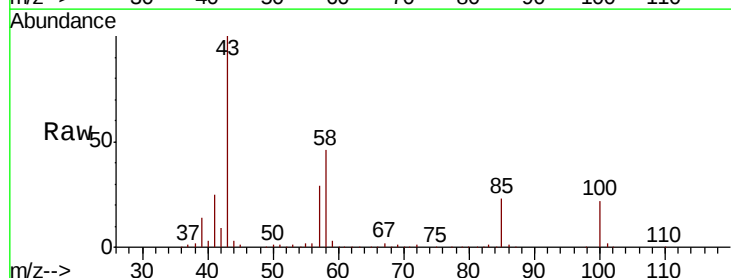
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

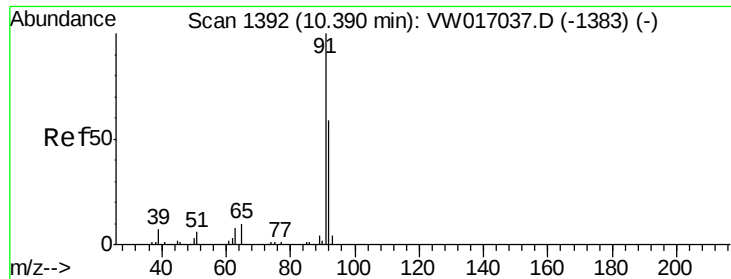
Tot Ion: 75 Resp: 212654
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.7 42.1



#43
 4-Methyl-2-pentanone
 Concen: 60.773 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017050.D
 Acq: 02 Nov 2020 16:19

Tgt Ion: 43 Resp: 136672
 Ion Ratio Lower Upper
 43 100
 58 44.8 34.4 51.6
 100 20.9 16.2 24.2





#44

Toluene

Concen: 28.656 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

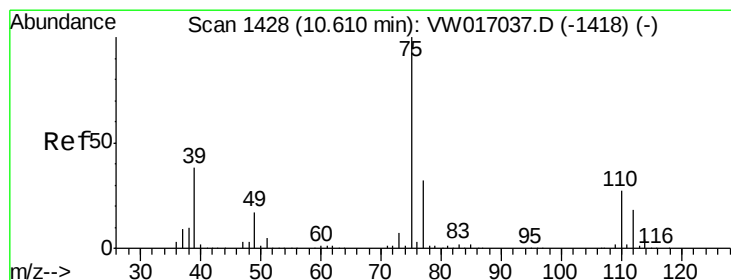
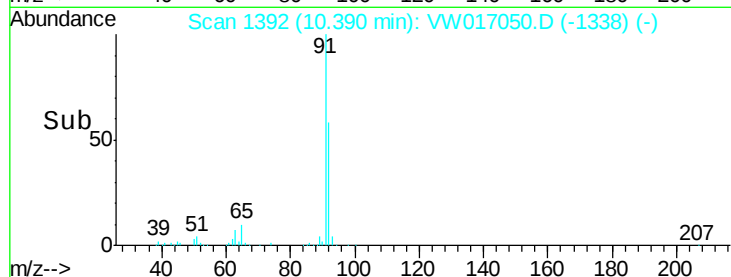
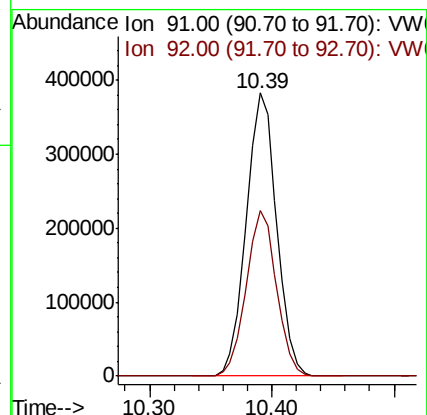
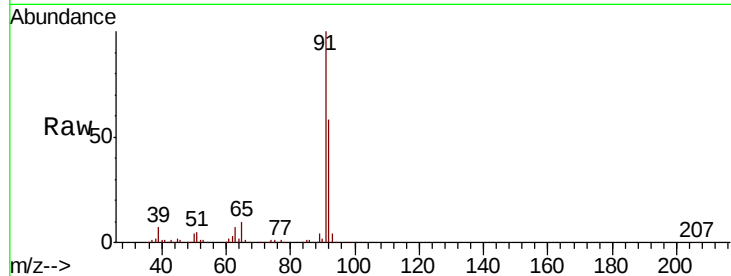
VSTD02510

Tot Ion: 91 Resp: 659551

Ion Ratio Lower Upper

91 100

92 58.3 40.1 74.5



#45

trans-1,3-Dichloropropene

Concen: 29.647 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017050.D

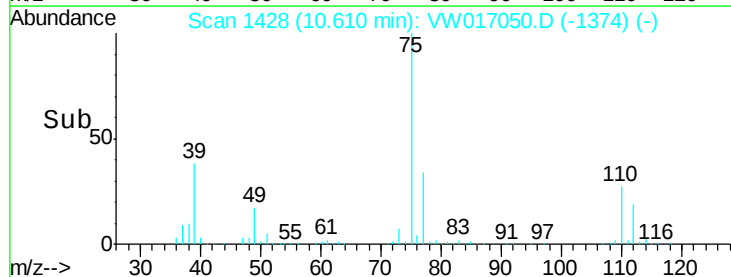
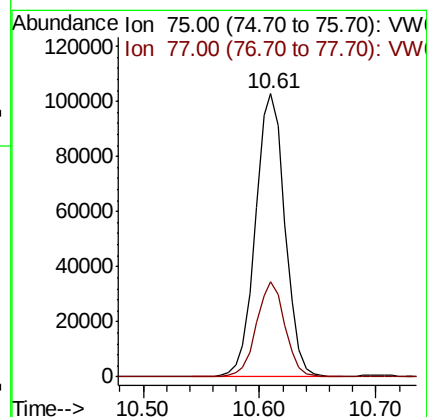
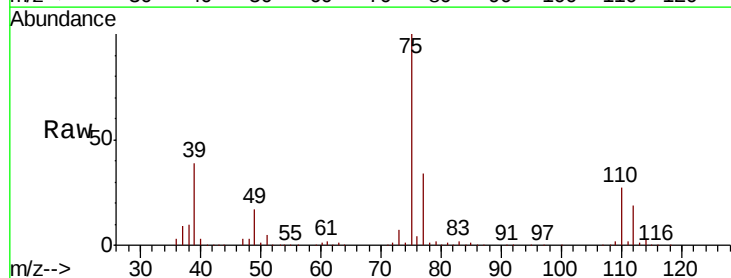
Acq: 02 Nov 2020 16:19

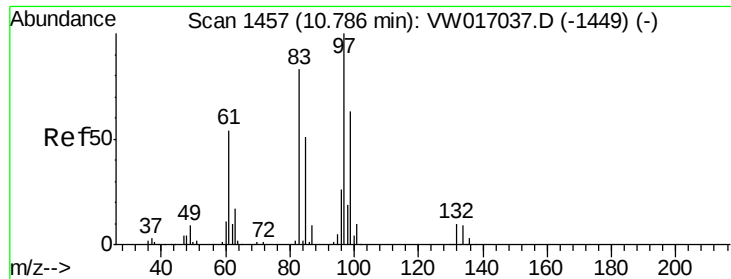
Tgt Ion: 75 Resp: 182199

Ion Ratio Lower Upper

75 100

77 33.8 22.7 42.3

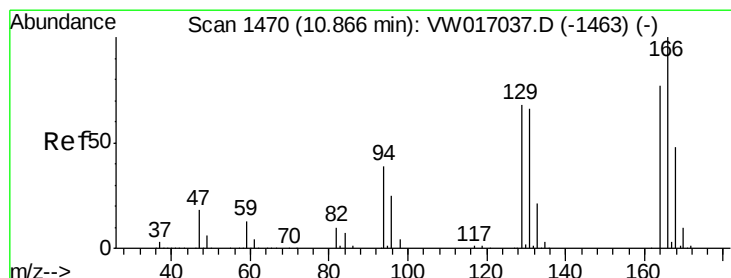
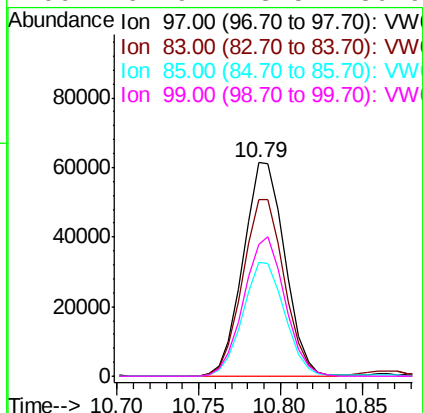
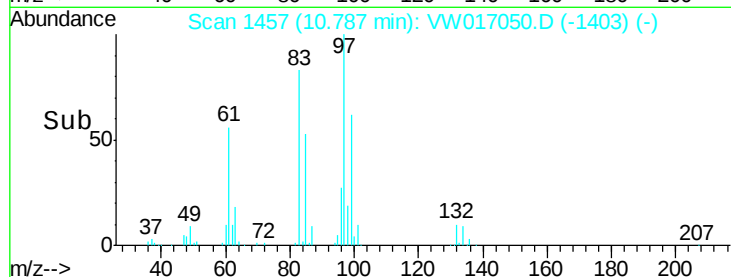
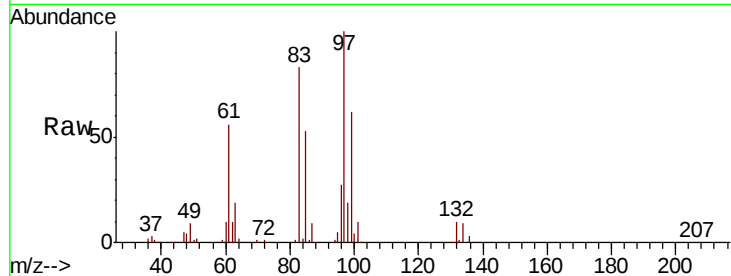




#46
 1,1,2-Trichloroethane
 Concen: 28.790 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW017050.D
 Acq: 02 Nov 2020 16:19

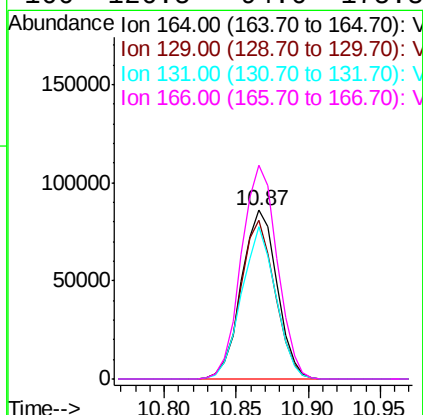
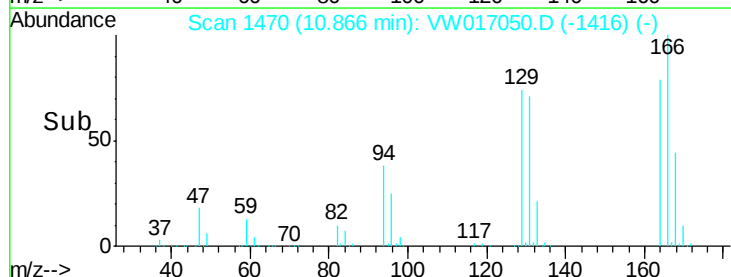
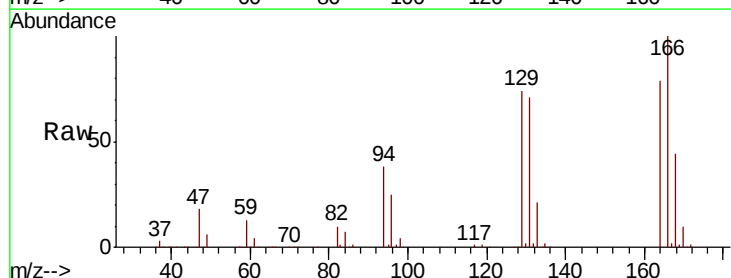
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

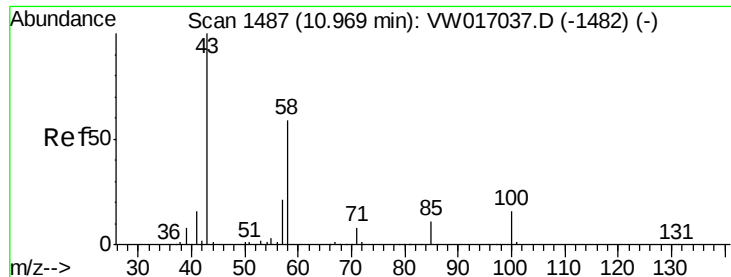
Tot Ion:	97	Resp:	109326
Ion	Ratio	Lower	Upper
97	100		
83	82.8	56.6	105.0
85	53.3	34.6	64.3
99	61.9	43.5	80.9



#47
 Tetrachloroethene
 Concen: 27.212 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW017050.D
 Acq: 02 Nov 2020 16:19

Tgt Ion:	164	Resp:	147273
Ion	Ratio	Lower	Upper
164	100		
129	93.9	64.0	119.0
131	90.3	61.7	114.5
166	126.5	94.6	175.8





#49

2-Hexanone

Concen: 66.320 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tot Ion: 43 Resp: 95053

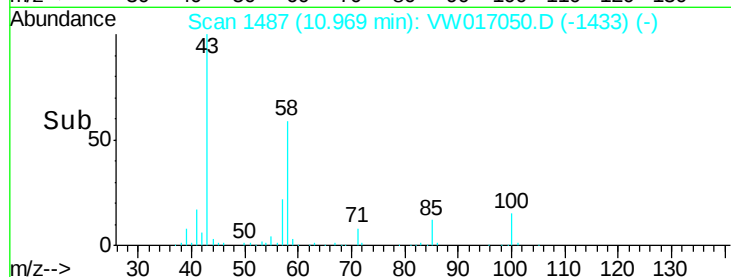
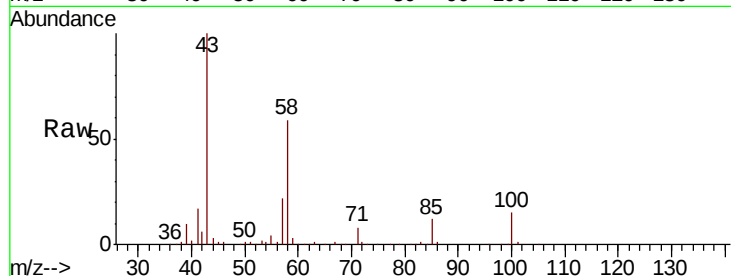
Ion Ratio Lower Upper

43 100

58 59.2 49.2 73.8

57 21.5 17.0 25.4

100 16.3 13.2 19.8

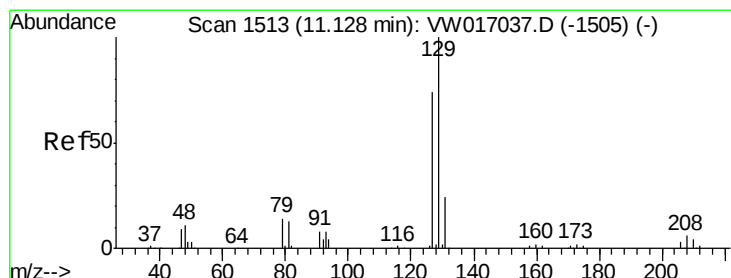
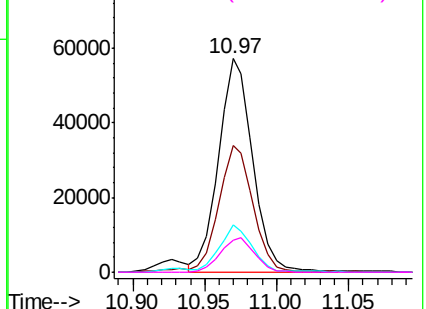


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 29.533 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW017050.D

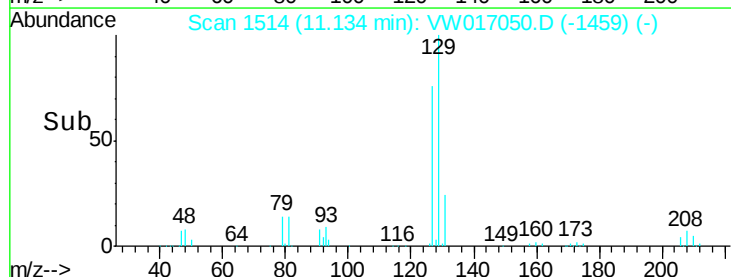
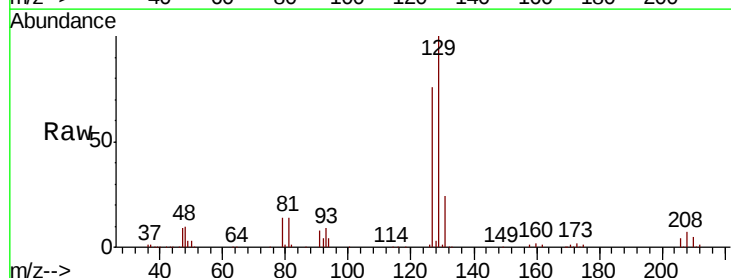
Acq: 02 Nov 2020 16:19

Tgt Ion: 129 Resp: 136624

Ion Ratio Lower Upper

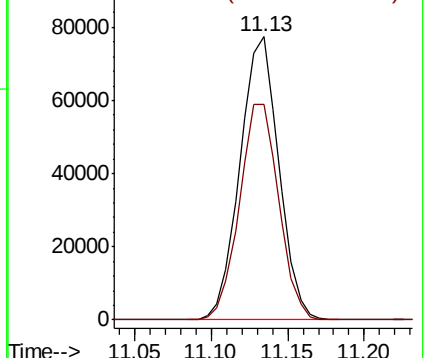
129 100

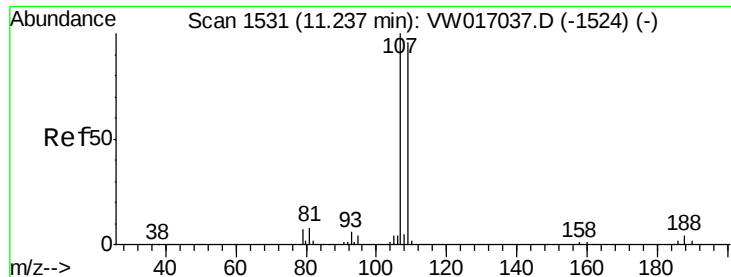
127 76.0 55.4 102.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

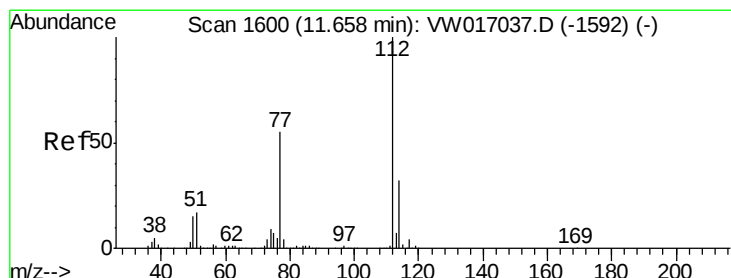
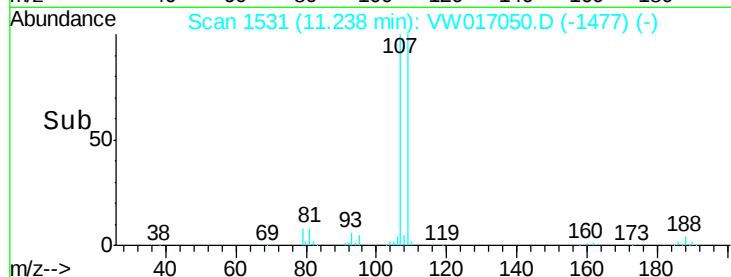
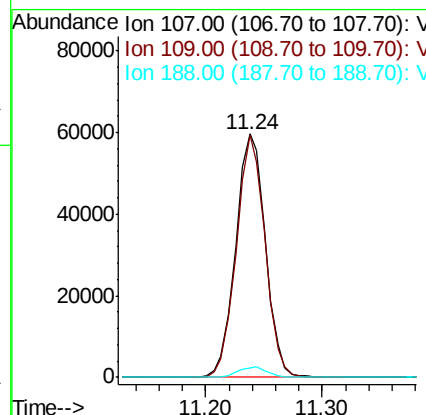
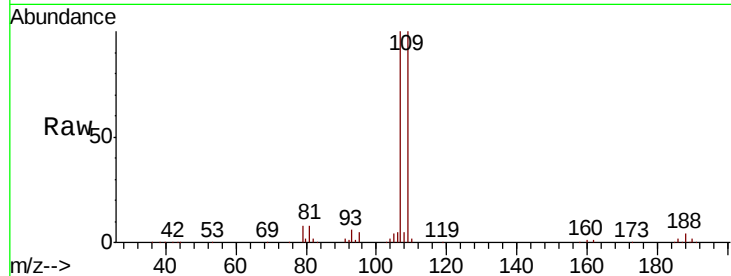




#51
 1,2-Dibromoethane
 Concen: 29.231 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW017050.D
 Acq: 02 Nov 2020 16:19

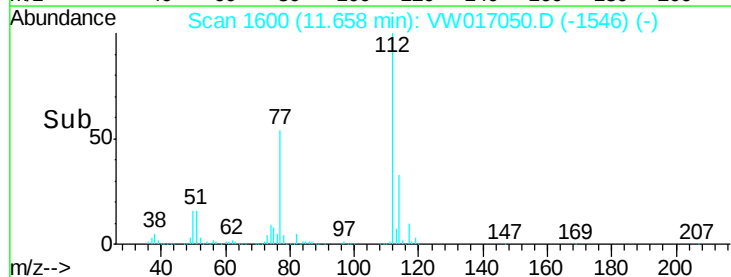
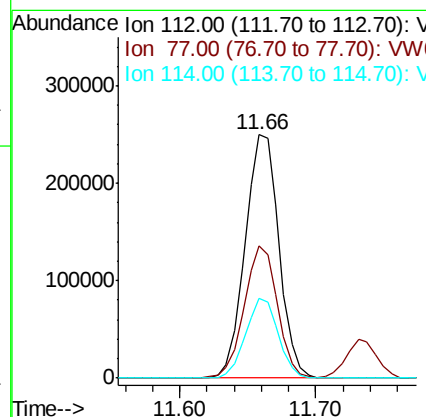
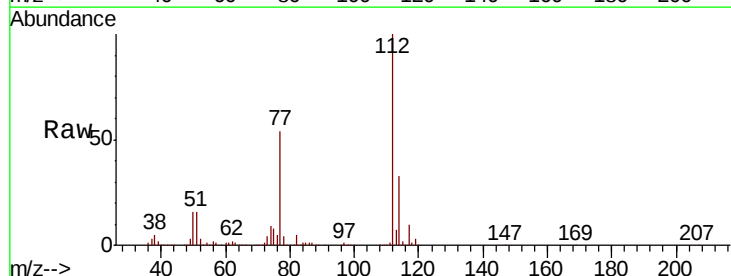
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

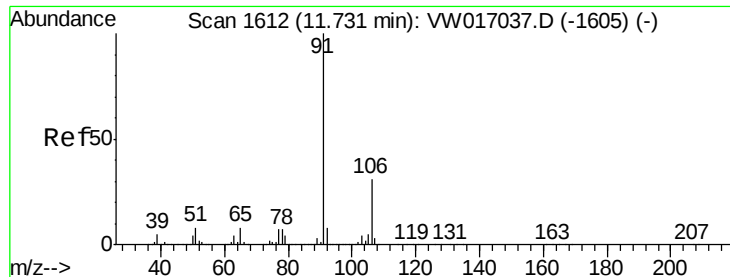
Tot Ion	Ratio	Lower	Upper
107	100		
109	99.8	65.7	121.9
188	4.0	3.1	4.7



#52
 Chlorobenzene
 Concen: 28.188 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017050.D
 Acq: 02 Nov 2020 16:19

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.5	42.5	63.7
114	32.9	22.3	41.3

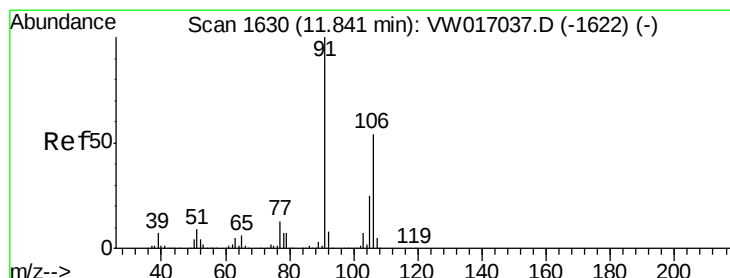
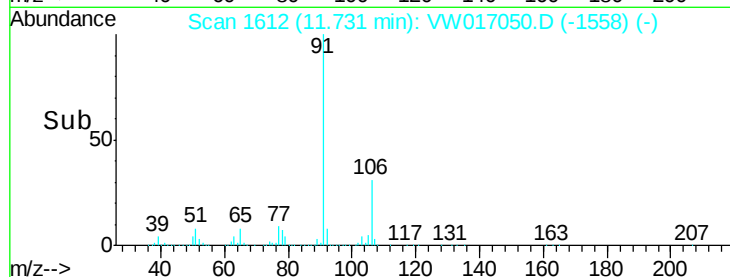
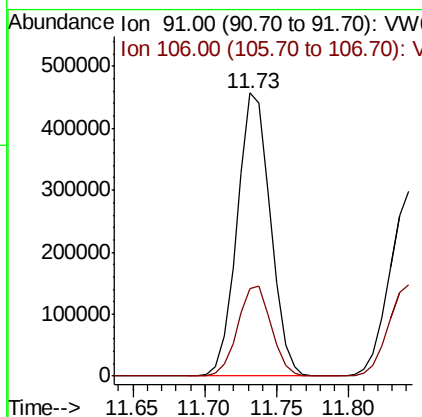
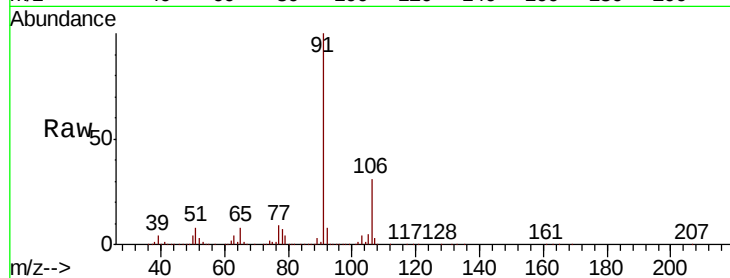




#53
Ethylbenzene
Concen: 28.372 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017050.D
Acq: 02 Nov 2020 16:19

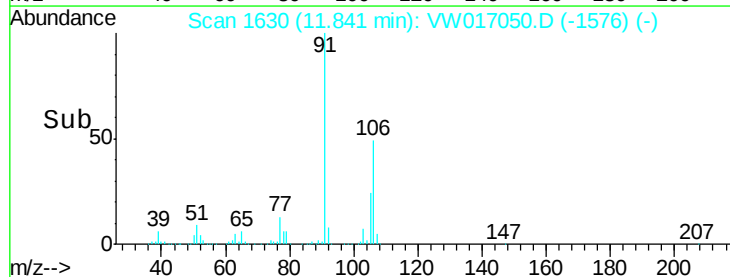
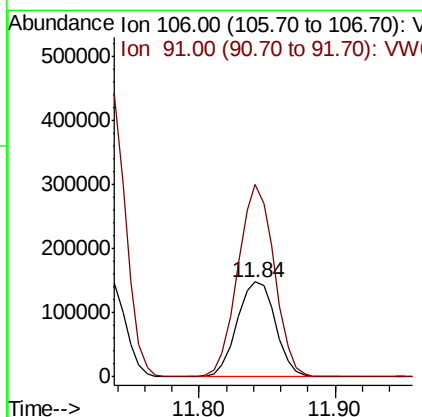
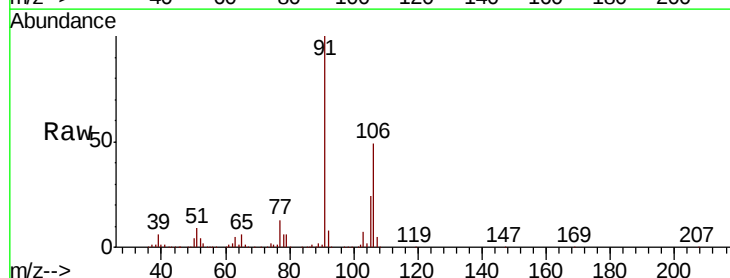
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

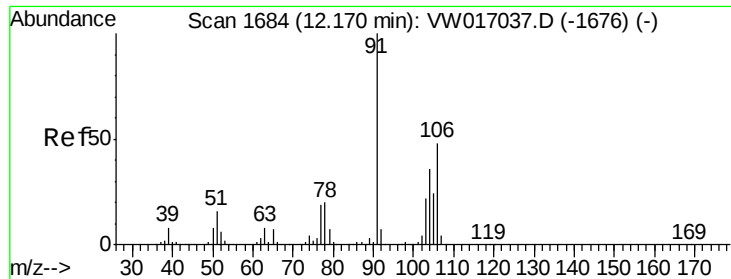
Tot Ion: 91 Resp: 733361
Ion Ratio Lower Upper
91 100
106 30.7 22.5 41.7



#54
m,p-Xylene
Concen: 28.575 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017050.D
Acq: 02 Nov 2020 16:19

Tgt Ion: 106 Resp: 290589
Ion Ratio Lower Upper
106 100
91 202.3 134.2 249.2

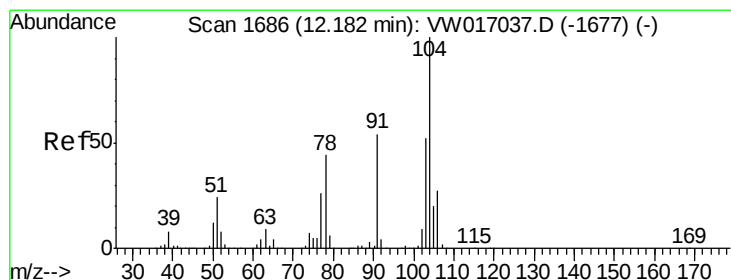
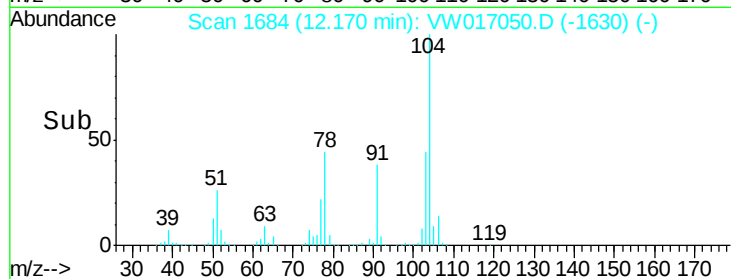
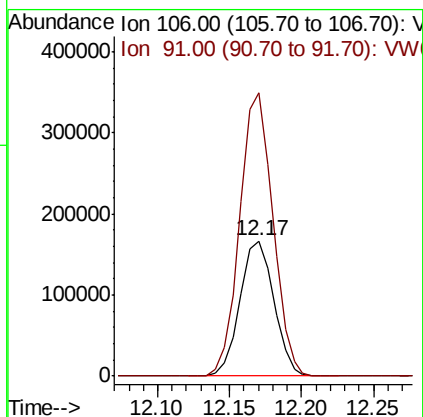
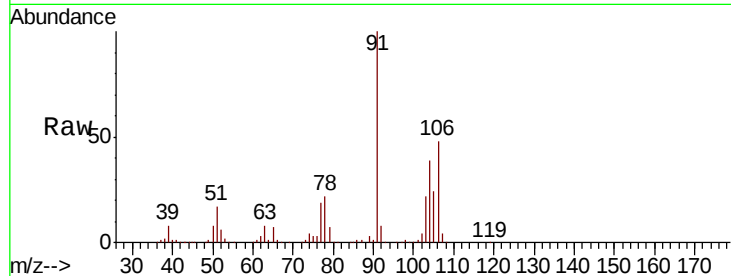




#55
o-xylene
Concen: 28.967 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW017050.D
Acq: 02 Nov 2020 16:19

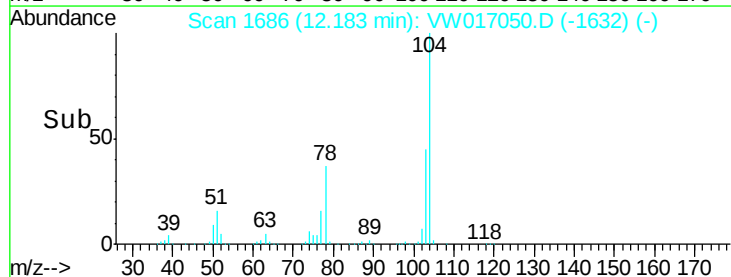
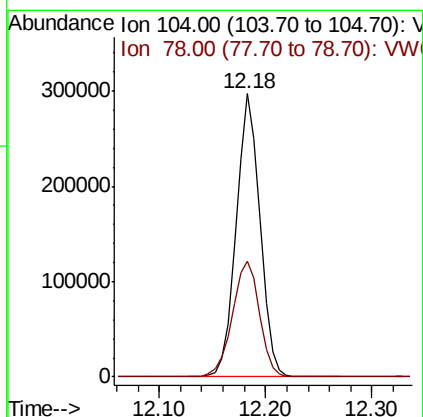
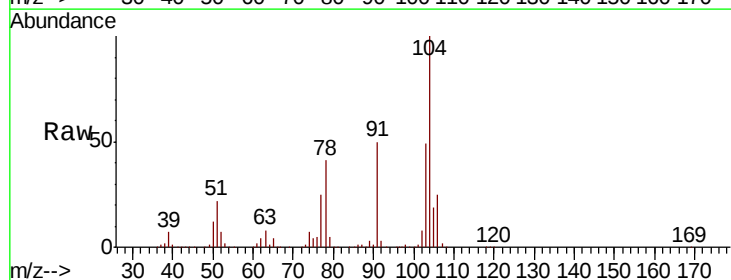
Instrument :
MSVOA_W
ClientSampled :
VSTD02510

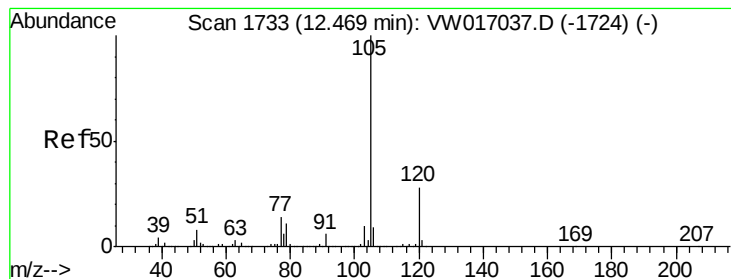
Tot Ion:106 Resp: 272867
Ion Ratio Lower Upper
106 100
91 209.6 150.9 280.3



#56
Styrene
Concen: 29.614 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017050.D
Acq: 02 Nov 2020 16:19

Tgt Ion:104 Resp: 466692
Ion Ratio Lower Upper
104 100
78 40.9 29.3 54.5





#57

Isopropylbenzene

Concen: 28.996 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

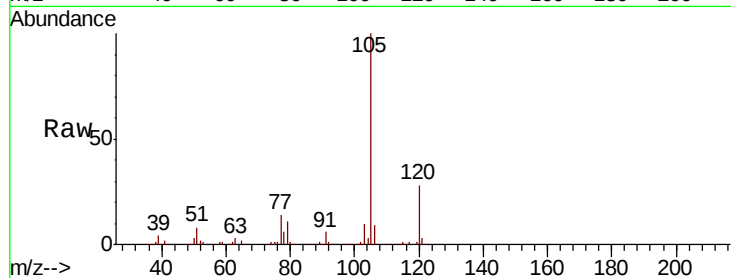
Tot Ion:105 Resp: 75524

Ion Ratio Lower Upper

105 100

120 27.4 21.4 32.2

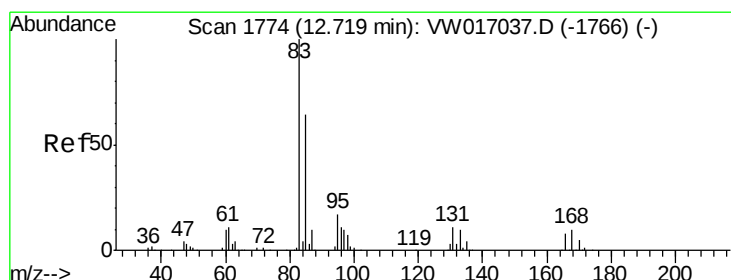
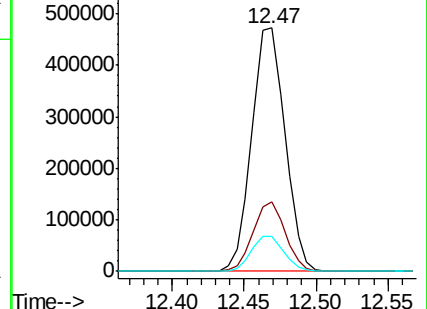
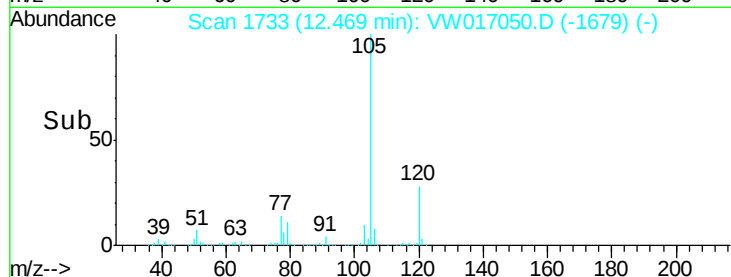
77 14.2 11.4 17.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 30.759 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

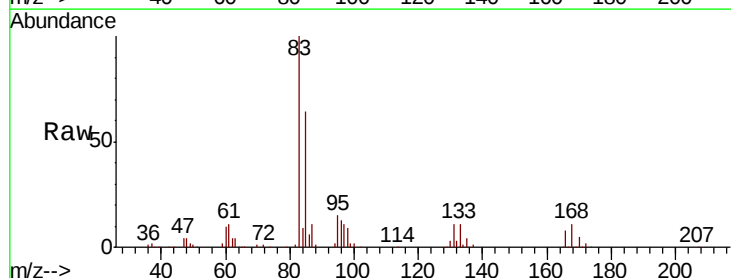
Tgt Ion: 83 Resp: 125371

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7

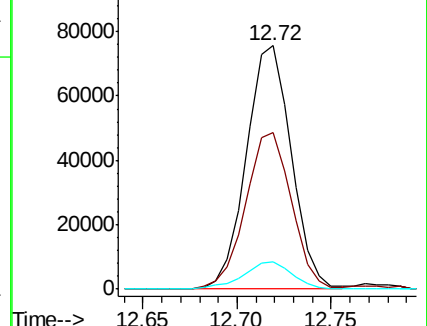
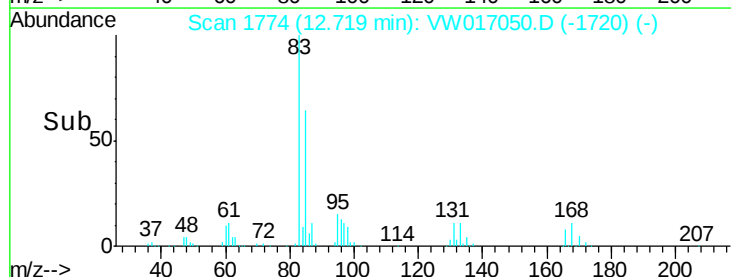
131 11.2 9.1 13.7

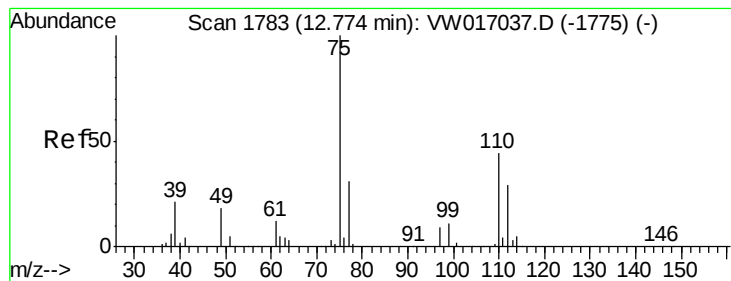


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 30.436 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

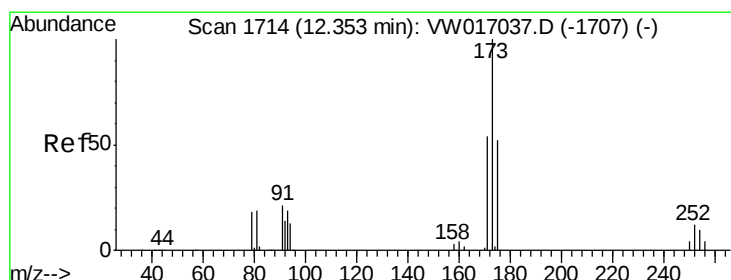
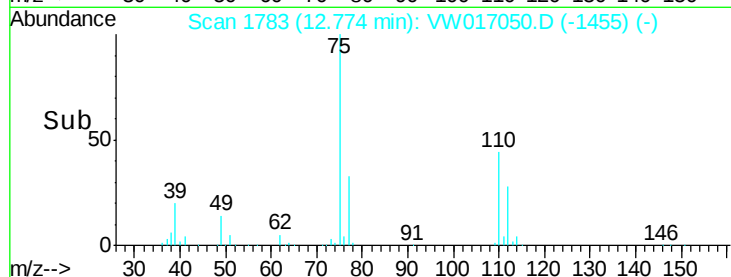
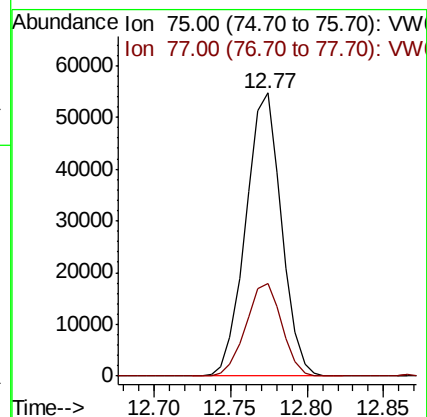
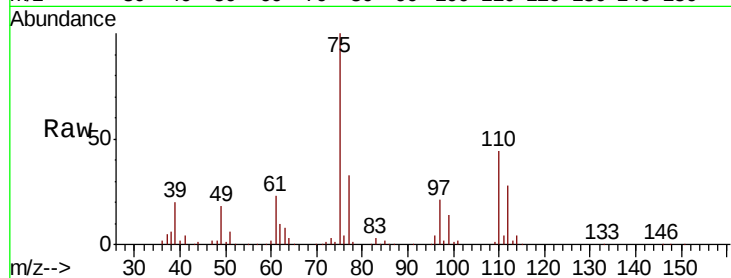
VSTD02510

Tot Ion: 75 Resp: 88778

Ion Ratio Lower Upper

75 100

77 33.0 25.8 38.8



#62

Bromoform

Concen: 28.042 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

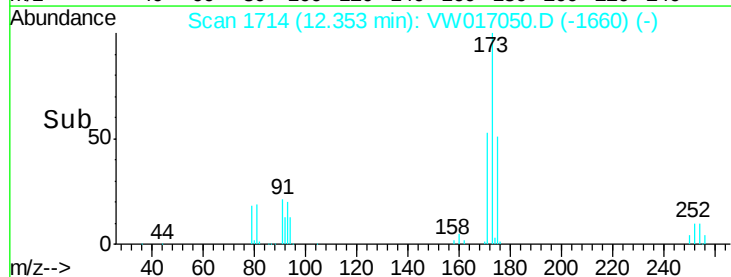
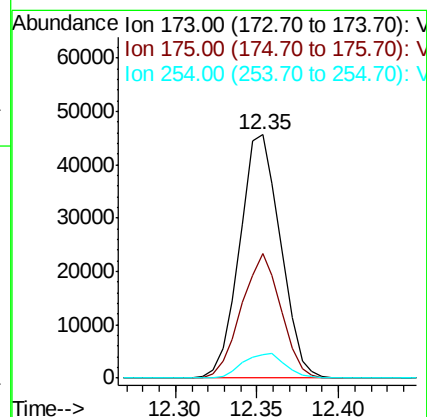
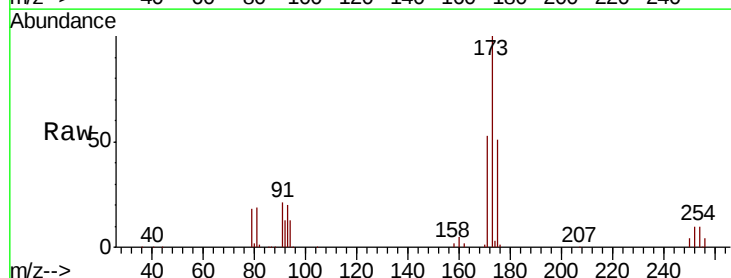
Tgt Ion: 173 Resp: 79706

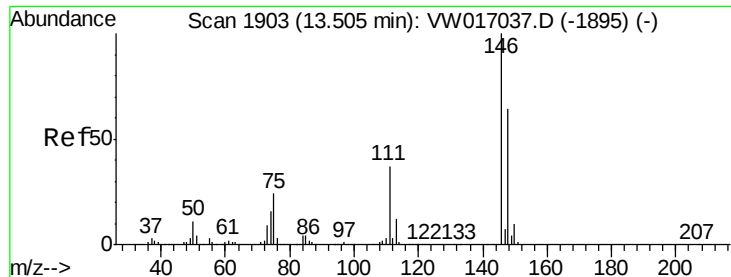
Ion Ratio Lower Upper

173 100

175 49.6 38.3 57.5

254 10.4 7.8 11.6

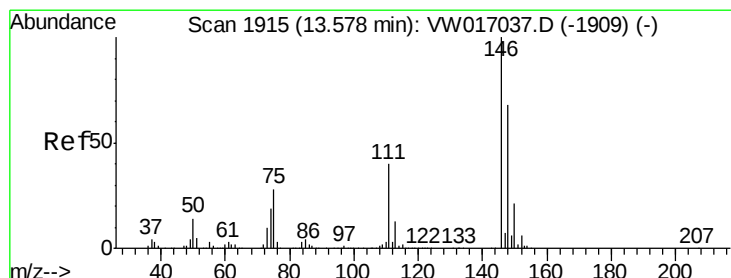
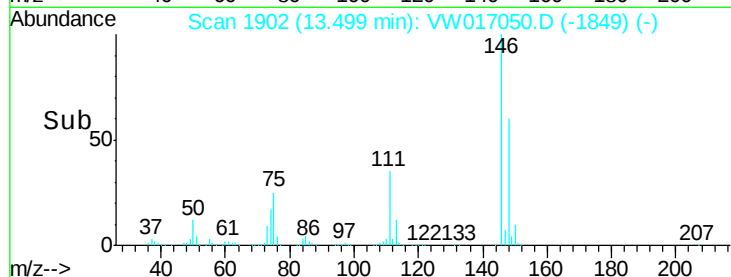
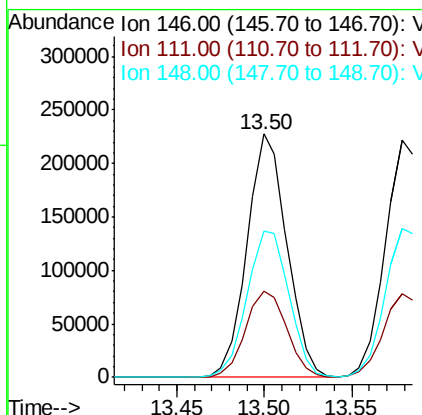
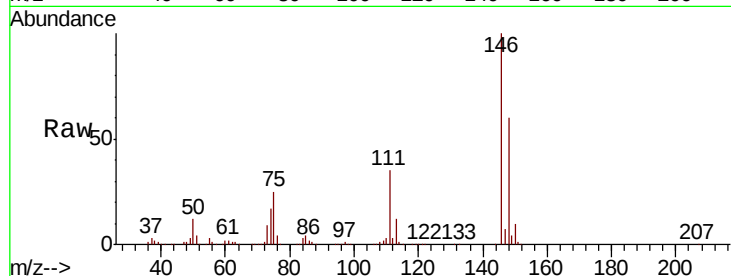




#63
 1,3-Dichlorobenzene
 Concen: 27.575 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW017050.D
 Acq: 02 Nov 2020 16:19

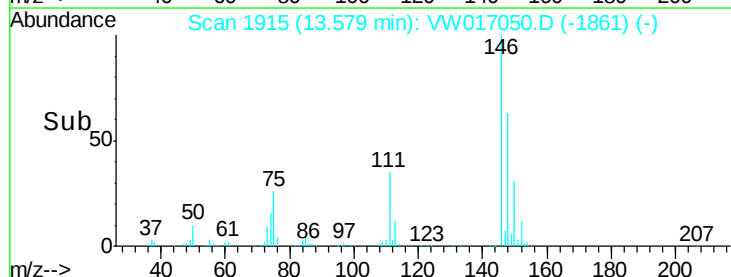
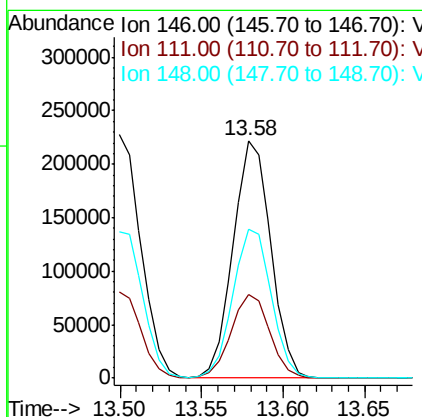
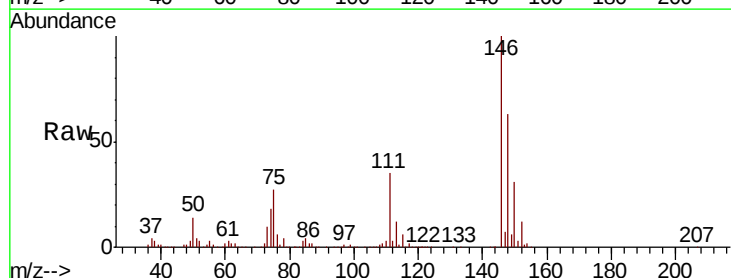
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

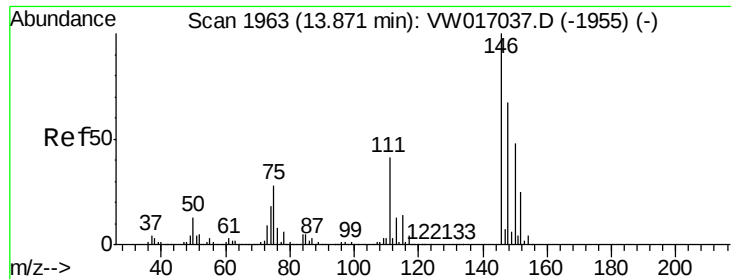
Tot Ion:146 Resp: 359899
 Ion Ratio Lower Upper
 146 100
 111 35.4 25.5 47.3
 148 60.1 43.1 80.1



#64
 1,4-Dichlorobenzene
 Concen: 27.524 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017050.D
 Acq: 02 Nov 2020 16:19

Tgt Ion:146 Resp: 358097
 Ion Ratio Lower Upper
 146 100
 111 35.0 25.7 47.7
 148 62.5 44.3 82.3

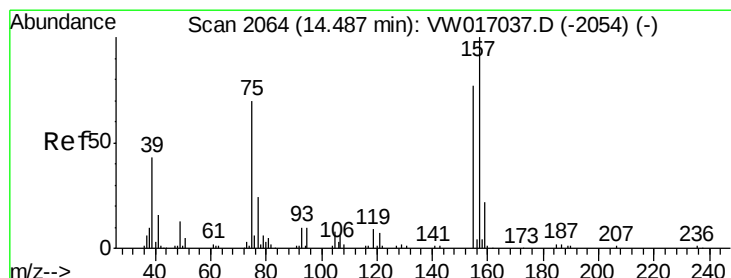
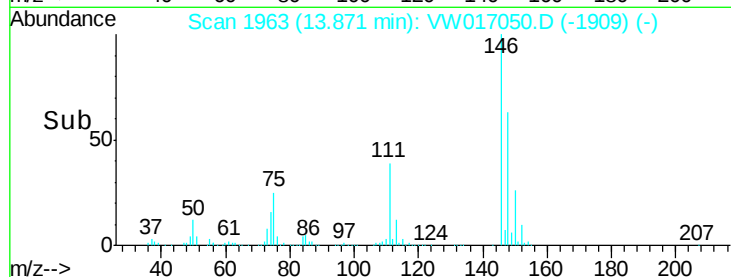
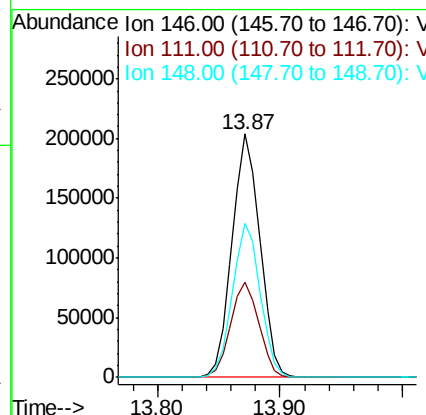
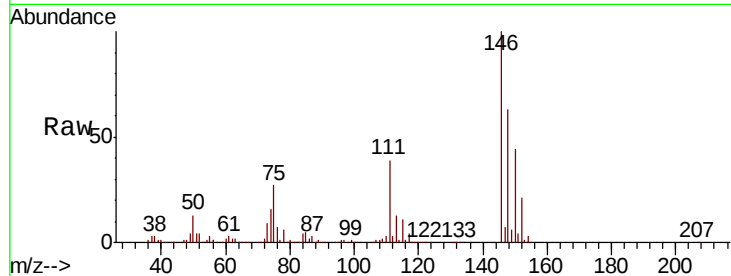




#65
 1,2-Dichlorobenzene
 Concen: 27.901 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017050.D
 Acq: 02 Nov 2020 16:19

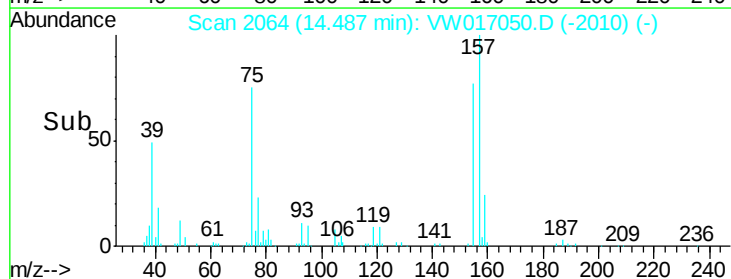
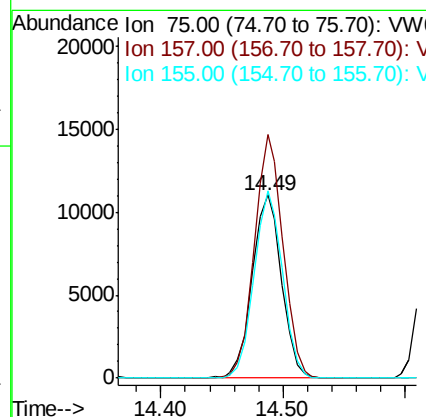
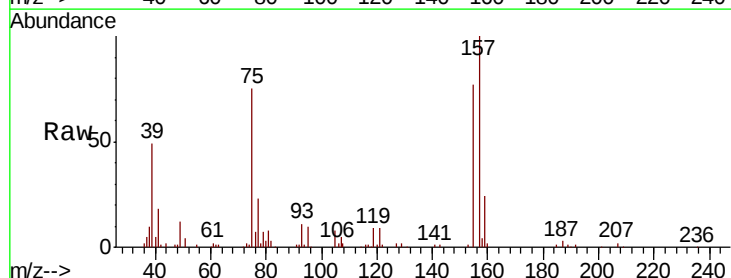
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02510

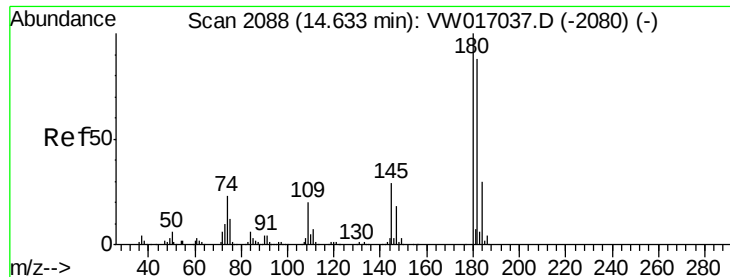
Tot Ion:146 Resp: 321234
 Ion Ratio Lower Upper
 146 100
 111 39.0 31.4 47.0
 148 63.4 47.7 71.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 29.474 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017050.D
 Acq: 02 Nov 2020 16:19

Tgt Ion: 75 Resp: 18460
 Ion Ratio Lower Upper
 75 100
 157 132.8 102.5 153.7
 155 102.1 80.3 120.5

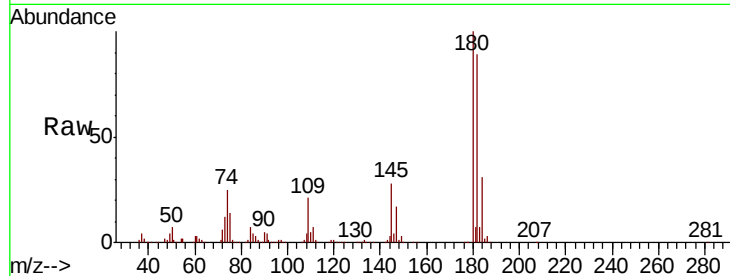




#67
 1,3,5-Trichlorobenzene
 Concen: 28.477 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW017050.D
 Acq: 02 Nov 2020 16:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	77.4	116.0
184	30.4	24.8	37.2
145	28.3	23.4	35.2



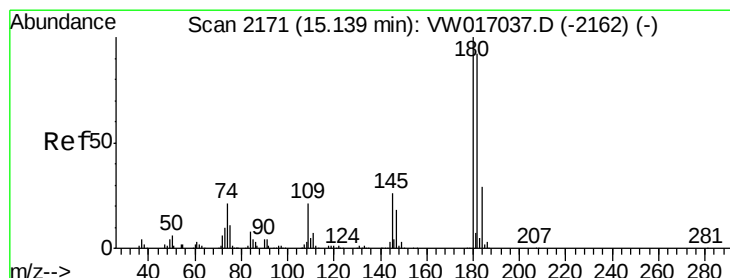
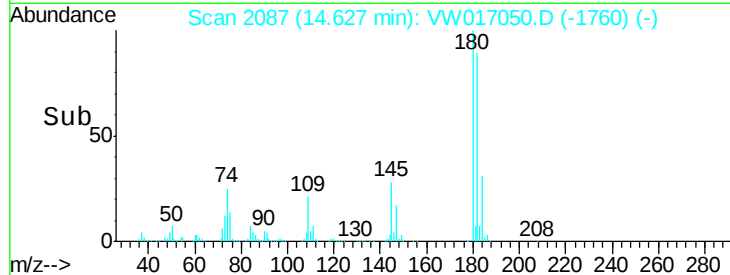
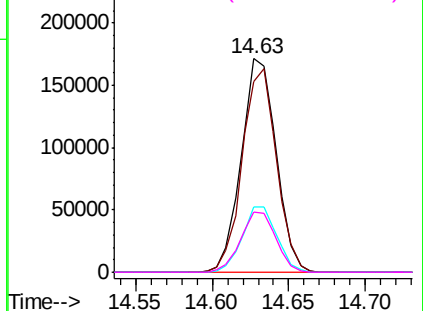
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

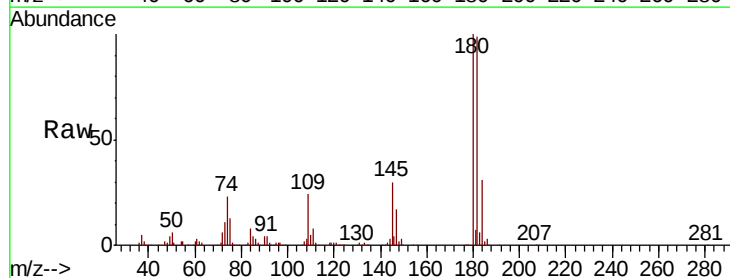
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.726 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW017050.D
 Acq: 02 Nov 2020 16:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	76.6	114.8
145	30.0	23.4	35.0

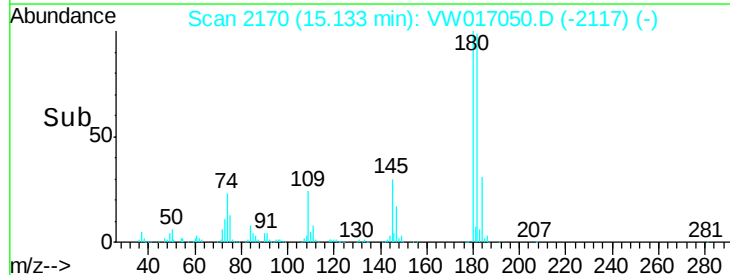
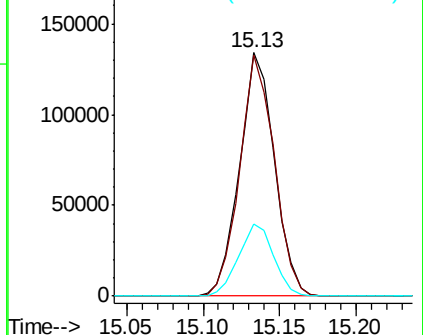


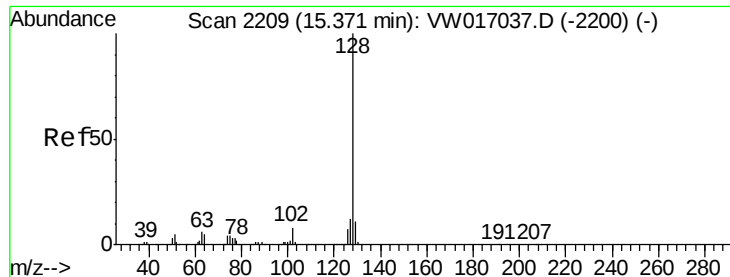
Abundance

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





#69

Naphthalene

Concen: 31.684 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

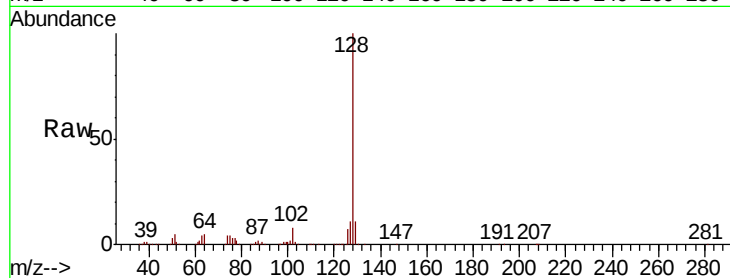
Tot Ion:128 Resp: 380526

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

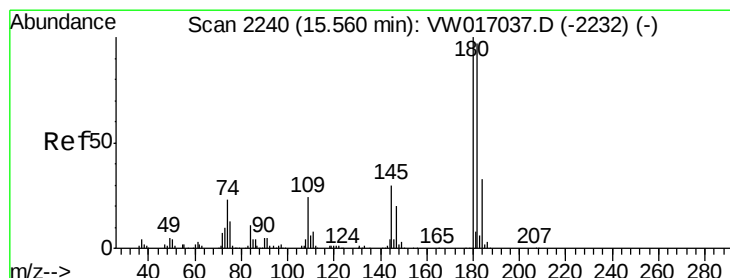
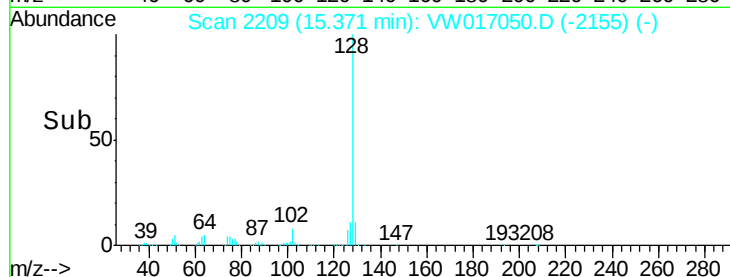
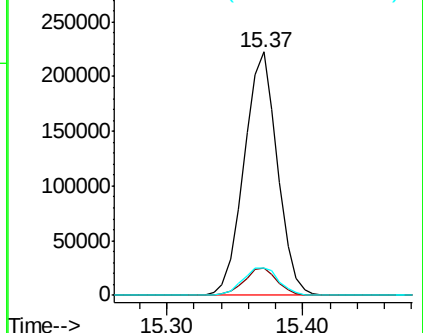
127 12.2 10.0 15.0



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: 30.017 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW017050.D

Acq: 02 Nov 2020 16:19

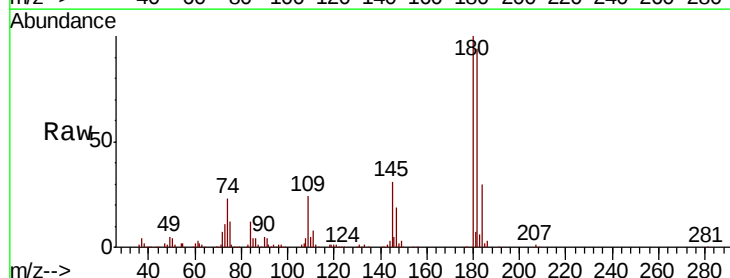
Tgt Ion:180 Resp: 193681

Ion Ratio Lower Upper

180 100

182 93.8 76.8 115.2

145 31.2 25.4 38.2



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

