

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110320\
 Data File : VW017052.D
 Acq On : 03 Nov 2020 10:40
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Nov 04 04:06:20 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	473479	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	427887	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	219774	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	124190	22.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.92%
7) Chloroethane-d5	2.90	69	109037	25.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.00%
10) 1,1-Dichloroethene-d2	4.03	63	264440	24.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.52%
20) 2-Butanone-d5	7.08	46	48482	47.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.20%
24) Chloroform-d	7.65	84	293300	26.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.44%
26) 1,2-Dichloroethane-d4	8.31	65	127201	24.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.00%
29) Benzene-d6	8.27	84	574791	26.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.60%
33) 1,2-Dichloropropane-d6	9.27	67	158376	26.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.80%
37) Toluene-d8	10.33	98	543416	26.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.04%
38) trans-1,3-Dichloropropene-	10.58	79	63356	25.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.64%
39) 2-Hexanone-d5	10.93	63	42013	50.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	111443	24.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	201029	26.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	118626	21.966	ug/L	99
3) Chloromethane	2.22	50	110691	23.746	ug/L	100
5) Vinyl chloride	2.37	62	171871	25.173	ug/L	99
6) Bromomethane	2.79	94	115245	24.854	ug/L	99
8) Chloroethane	2.93	64	101069	25.723	ug/L	96
9) Trichlorofluoromethane	3.27	101	147592	27.255	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	166557	25.519	ug/L	99
12) 1,1-Dichloroethene	4.04	96	157436	25.401	ug/L	98
13) Acetone	4.13	43	29267	42.253	ug/L	100
14) Carbon disulfide	4.39	76	444841	23.674	ug/L	100
15) Methyl Acetate	4.68	43	37273	20.611	ug/L	98
16) Methylene chloride	4.92	84	148438	23.712	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	158578	23.471	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	162427	25.057	ug/L	99
19) 1,1-Dichloroethane	6.22	63	247760	24.958	ug/L	100
21) 2-Butanone	7.17	43	45204	38.996	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	164031	25.029	ug/L	99

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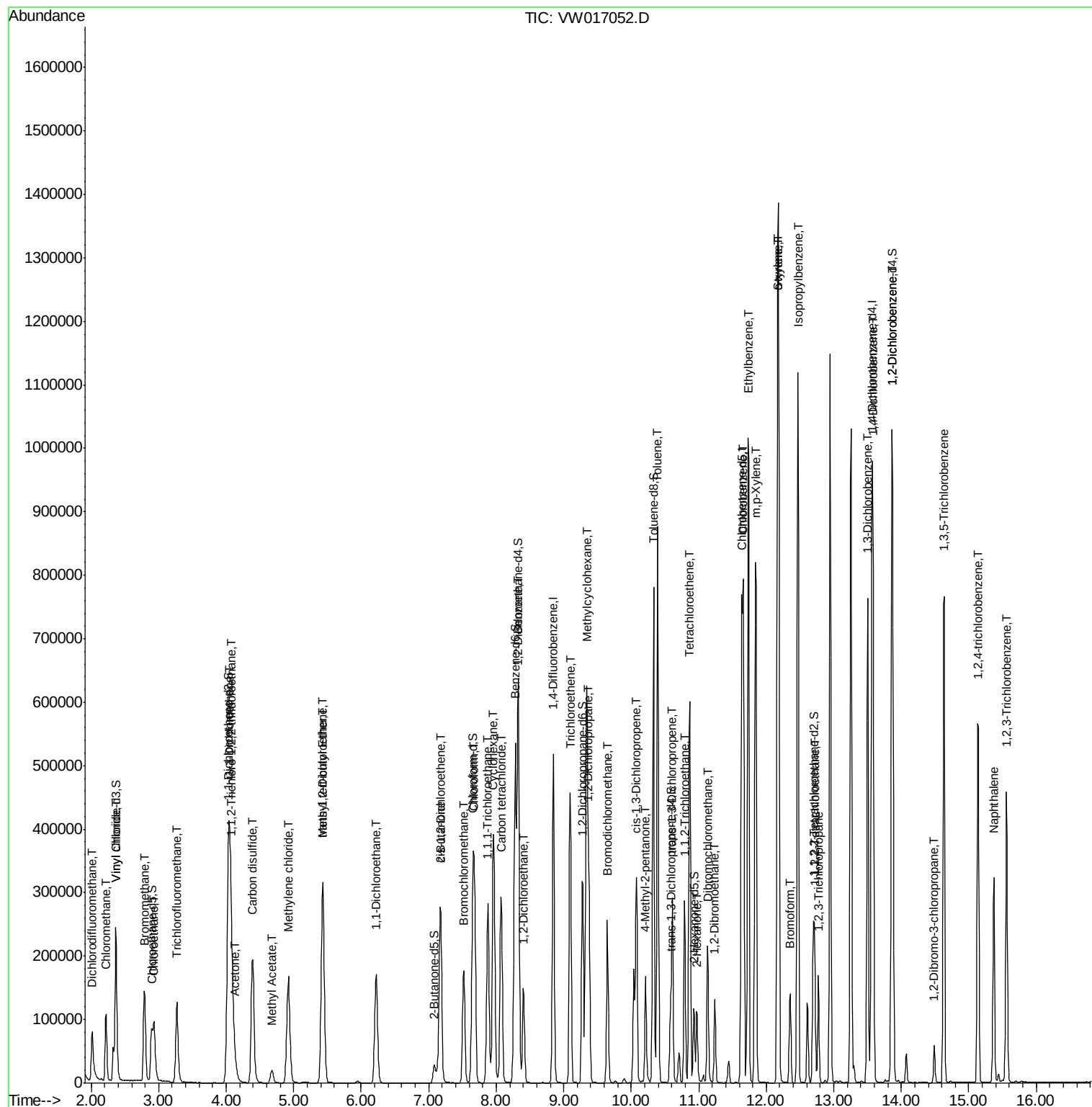
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	72049	23.816	ug/L	97
25) Chloroform	7.68	83	263710	24.953	ug/L	100
27) 1,2-Dichloroethane	8.40	62	137635	22.870	ug/L	97
30) Cyclohexane	7.96	56	225926	25.241	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	243270	26.261	ug/L	99
32) Carbon tetrachloride	8.07	117	230015	25.868	ug/L	99
34) Benzene	8.33	78	592606	25.070	ug/L	100
35) Trichloroethene	9.10	95	164493	25.126	ug/L	99
36) Methylcyclohexane	9.34	83	280742	25.535	ug/L	99
40) 1,2-Dichloropropane	9.37	63	131871	24.980	ug/L	100
41) Bromodichloromethane	9.65	83	178360	24.893	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	205133	24.850	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	102294	40.879	ug/L	100
44) Toluene	10.39	91	650616	25.404	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	165117	24.146	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	95440	22.587	ug/L	97
47) Tetrachloroethene	10.87	164	150490	24.990	ug/L	94
49) 2-Hexanone	10.97	43	67345	42.229	ug/L	98
50) Dibromochloromethane	11.13	129	122650	23.827	ug/L	100
51) 1,2-Dibromoethane	11.24	107	90743	22.526	ug/L	100
52) Chlorobenzene	11.66	112	425759	24.868	ug/L	99
53) Ethylbenzene	11.73	91	738843	25.689	ug/L	97
54) m,p-Xylene	11.85	106	291765	25.785	ug/L	94
55) o-xylene	12.17	106	272411	25.989	ug/L	96
56) Styrene	12.18	104	453916	25.886	ug/L	98
57) Isopropylbenzene	12.47	105	755127	26.046	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	99012	21.831	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	68689	21.163	ug/L	99
62) Bromoform	12.35	173	68288	22.112	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	340221	23.992	ug/L	91
64) 1,4-Dichlorobenzene	13.58	146	339549	24.020	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	303825	24.287	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	14153	20.798	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	260437	25.092	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	199995	24.859	ug/L	99
69) Naphthalene	15.37	128	291122	22.309	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	175871	25.086	ug/L	96

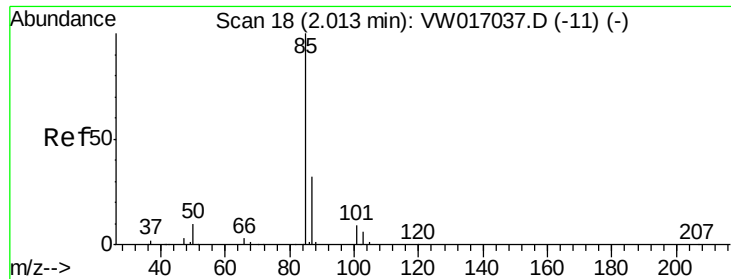
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.966 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampled :

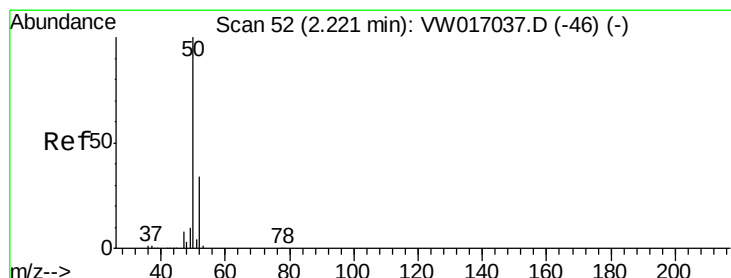
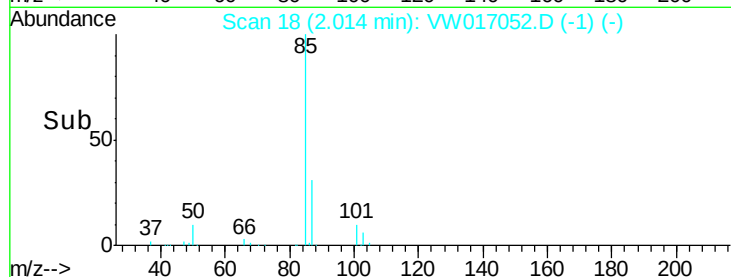
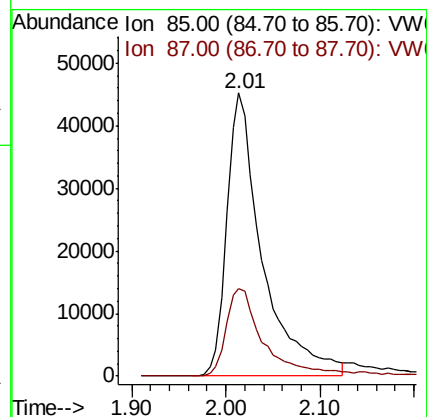
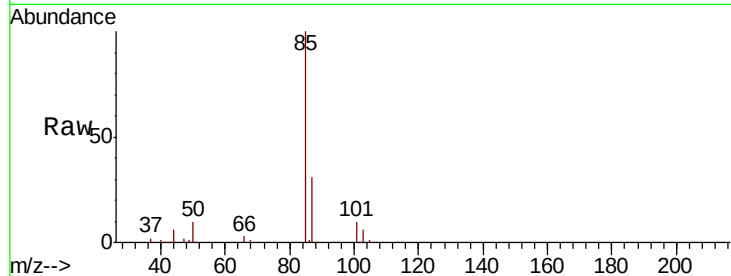
VSTD02511

Tot Ion: 85 Resp: 118626

Ion Ratio Lower Upper

85 100

87 32.6 22.4 41.6



#3

Chloromethane

Concen: 23.746 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW017052.D

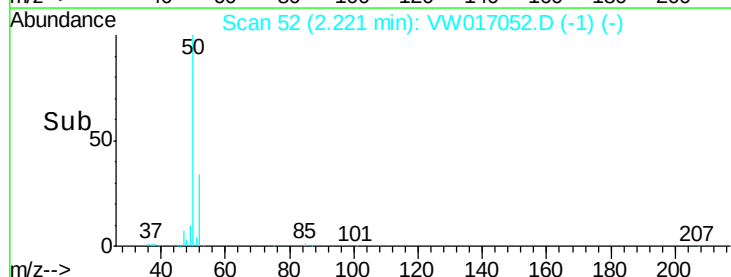
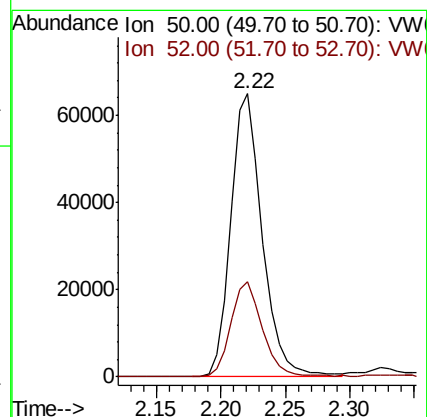
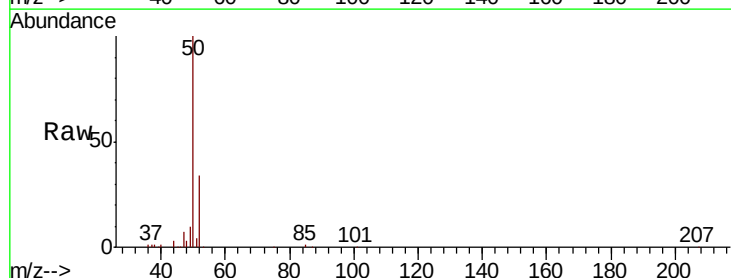
Acq: 03 Nov 2020 10:40

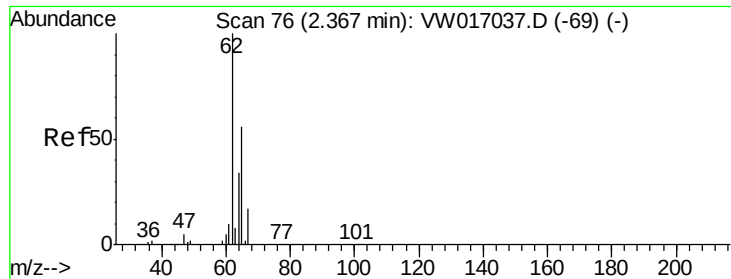
Tgt Ion: 50 Resp: 110691

Ion Ratio Lower Upper

50 100

52 33.5 23.5 43.7





#5

Vinyl chloride

Concen: 25.173 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampled :

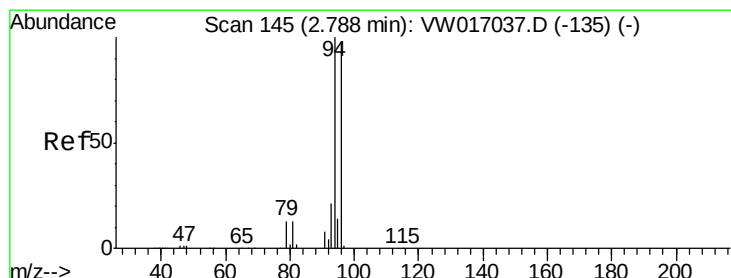
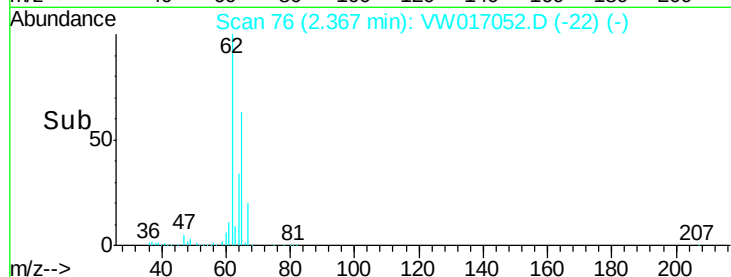
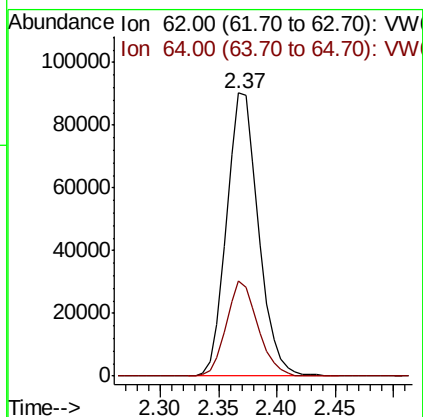
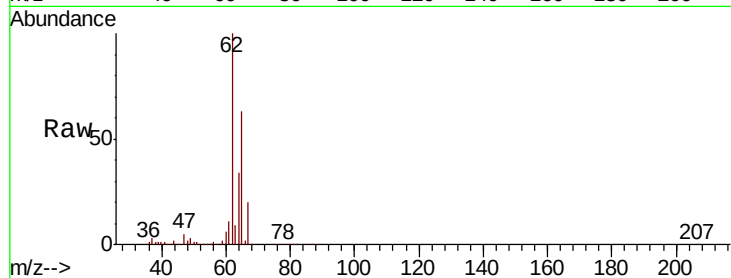
VSTD02511

Tot Ion: 62 Resp: 171871

Ion Ratio Lower Upper

62 100

64 33.8 24.1 44.7



#6

Bromomethane

Concen: 24.854 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW017052.D

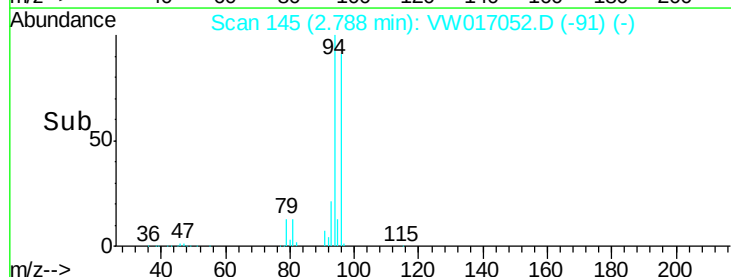
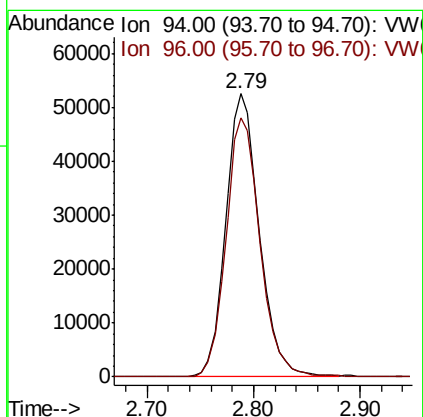
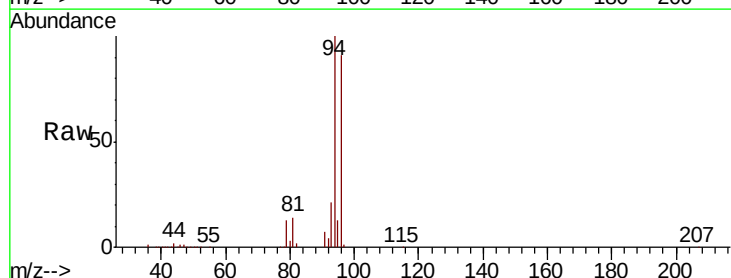
Acq: 03 Nov 2020 10:40

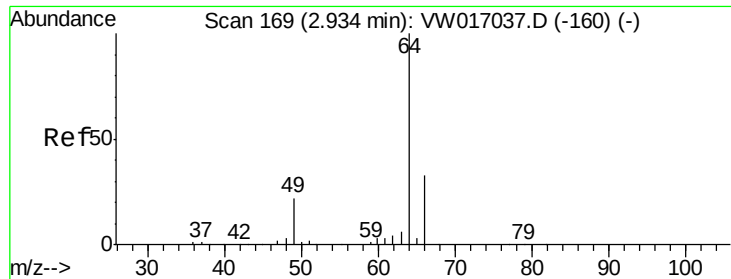
Tgt Ion: 94 Resp: 115245

Ion Ratio Lower Upper

94 100

96 93.1 9.4 178.8





#8

Chloroethane

Concen: 25.723 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampleId :

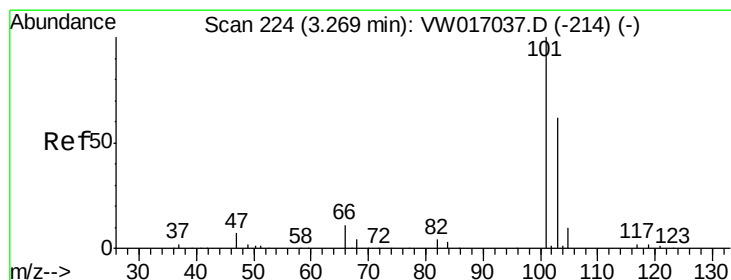
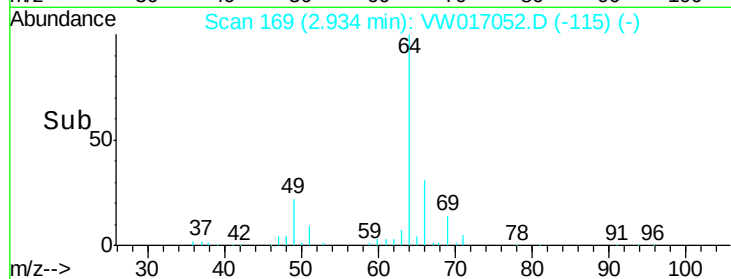
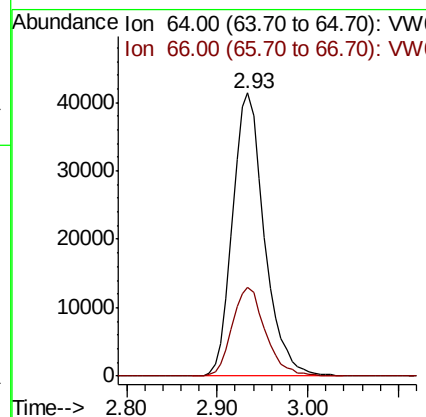
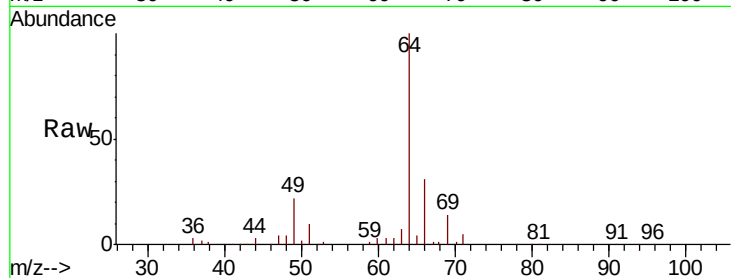
VSTD02511

Tot Ion: 64 Resp: 101069

Ion Ratio Lower Upper

64 100

66 31.3 23.4 43.6



#9

Trichlorofluoromethane

Concen: 27.255 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW017052.D

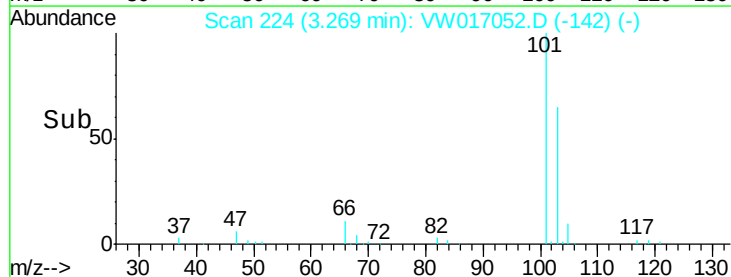
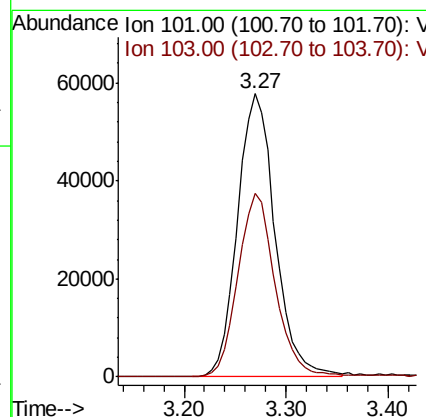
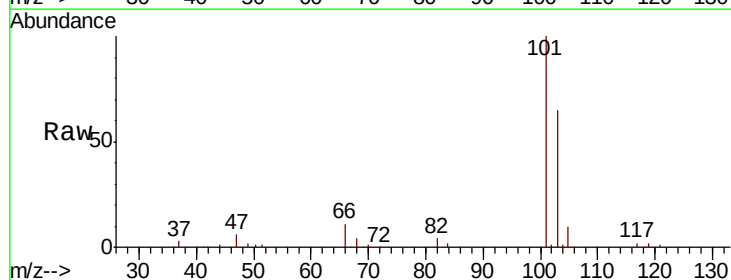
Acq: 03 Nov 2020 10:40

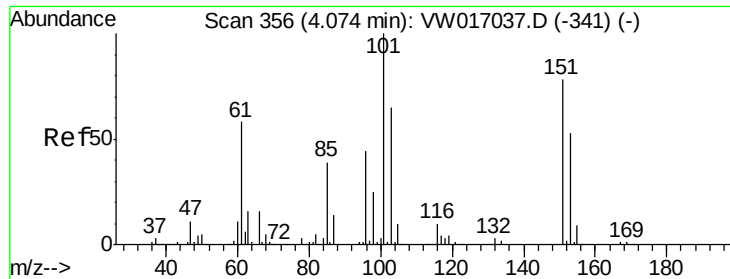
Tgt Ion: 101 Resp: 147592

Ion Ratio Lower Upper

101 100

103 64.6 44.9 83.5





#11

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

Concen: 25.519 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW017052.D

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Instrument :

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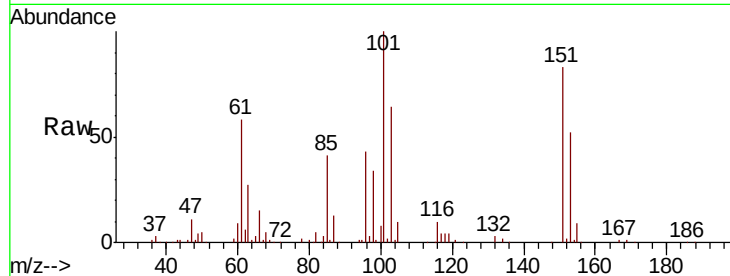
Tot Ion:101 Resp: 166557

Ion Ratio Lower Upper

101 100

85 39.6 32.5 48.7

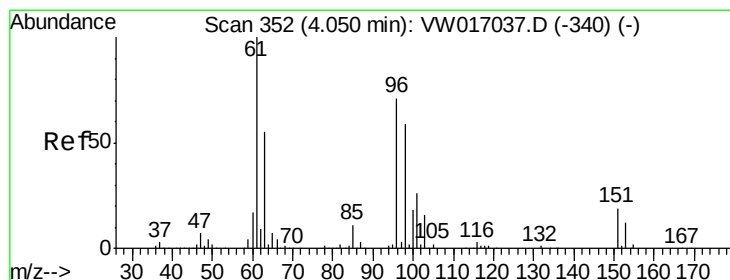
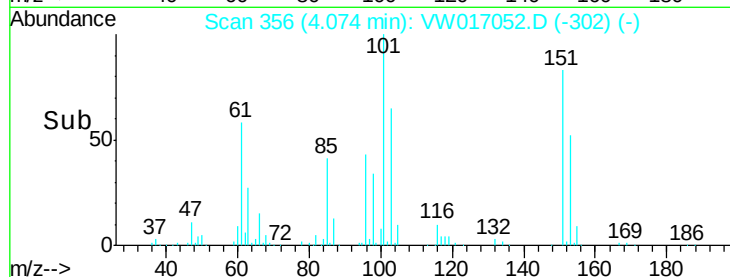
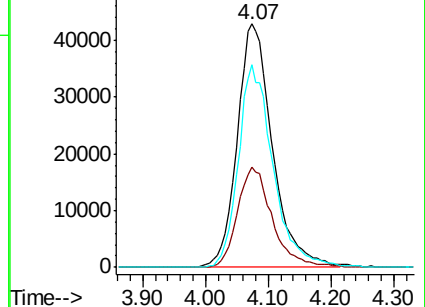
151 81.5 65.7 98.5



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: 25.401 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

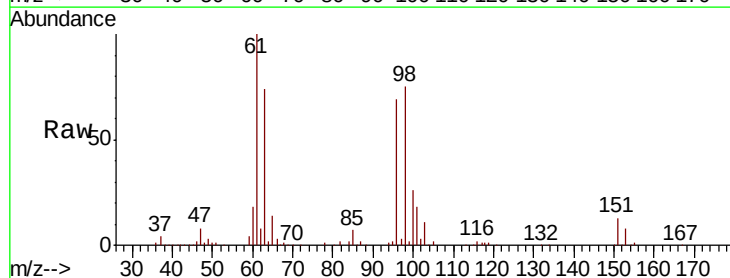
Tgt Ion: 96 Resp: 157436

Ion Ratio Lower Upper

96 100

61 144.6 101.4 188.4

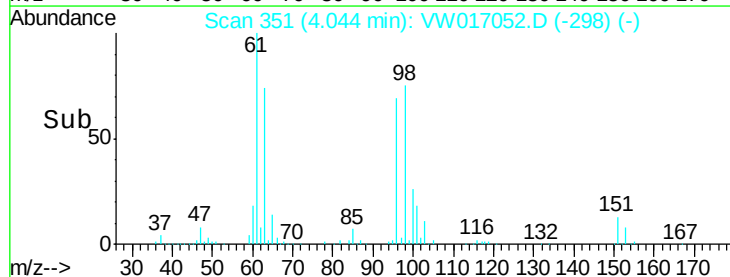
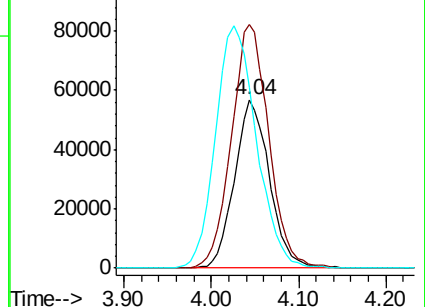
63 107.4 78.5 145.9

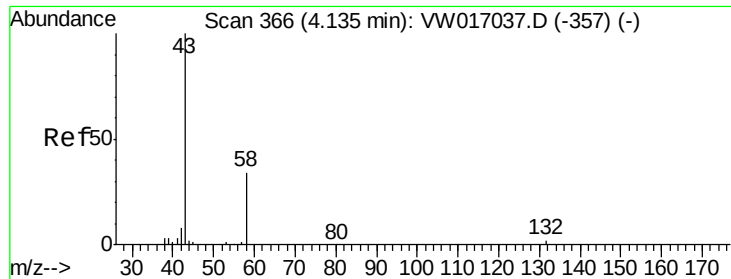


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.253 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

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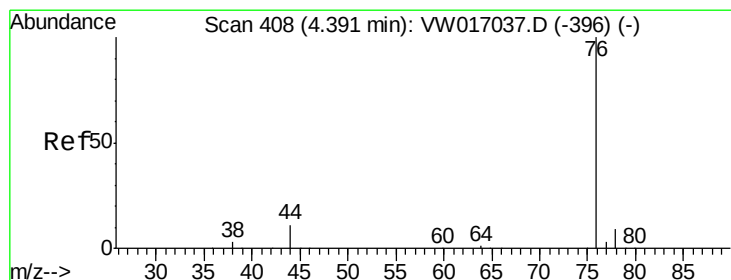
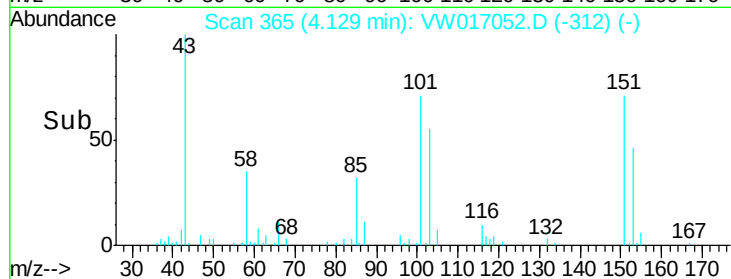
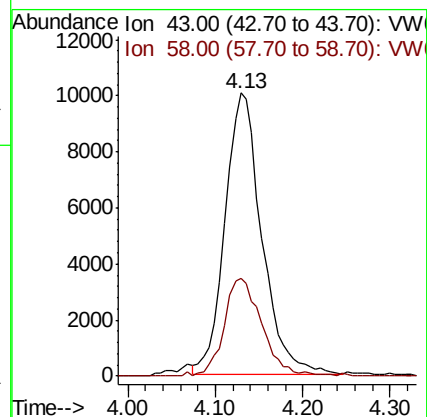
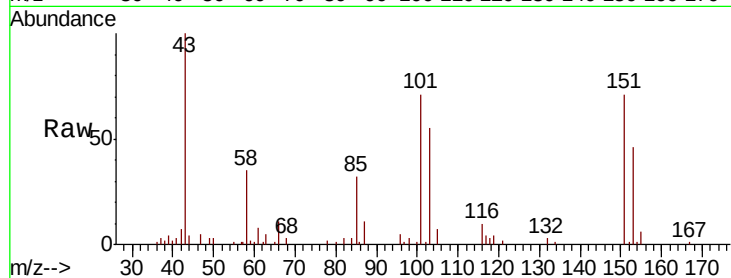
VSTD02511

Tot Ion: 43 Resp: 29267

Ion Ratio Lower Upper

43 100

58 34.8 0.0 69.8



#14

Carbon disulfide

Concen: 23.674 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017052.D

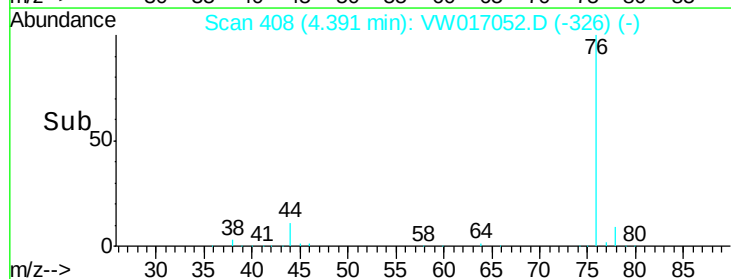
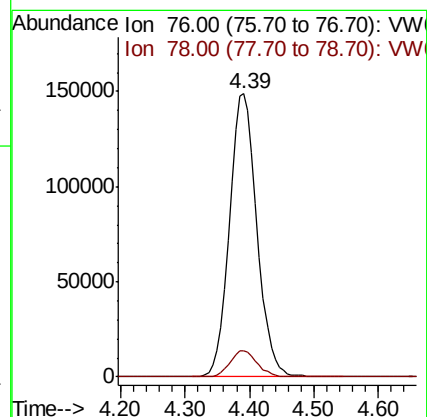
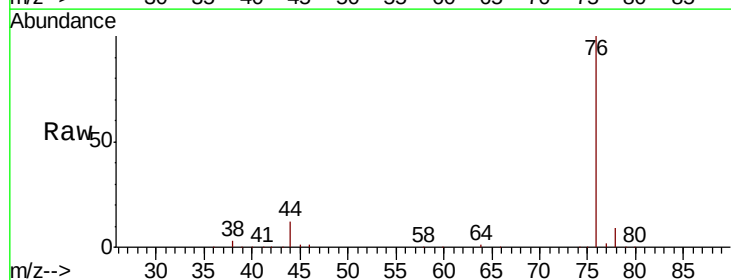
Acq: 03 Nov 2020 10:40

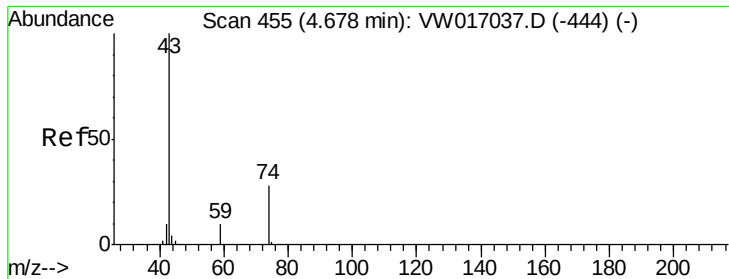
Tgt Ion: 76 Resp: 444841

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

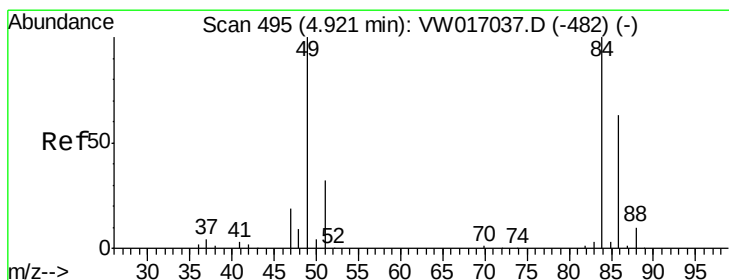
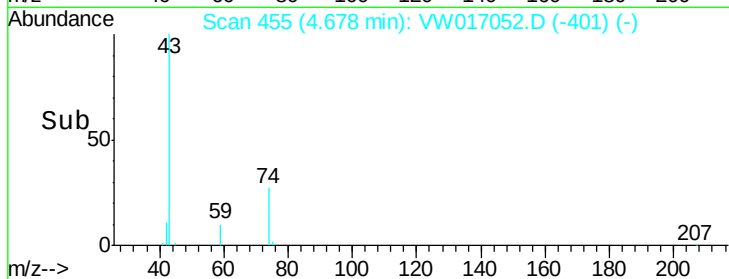
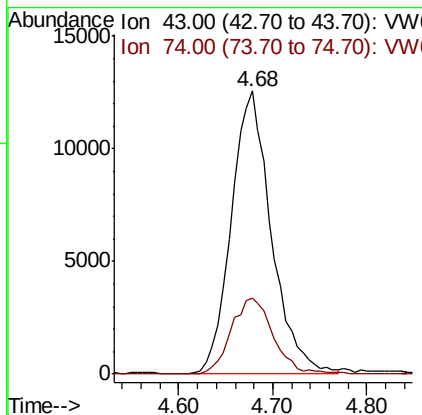
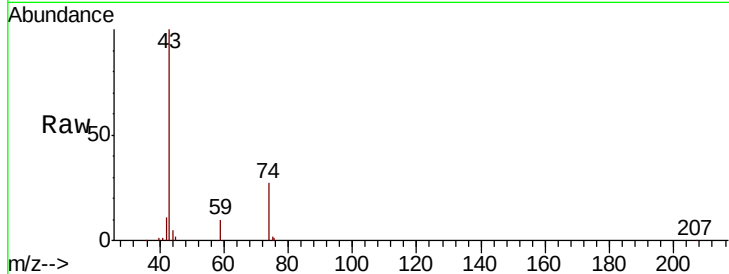




#15
Methvl Acetate
Concen: 20.611 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW017052.D
Acq: 03 Nov 2020 10:40

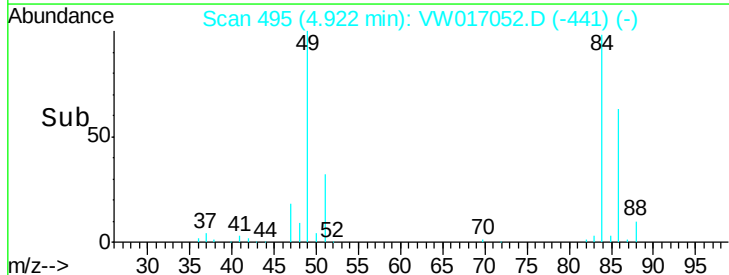
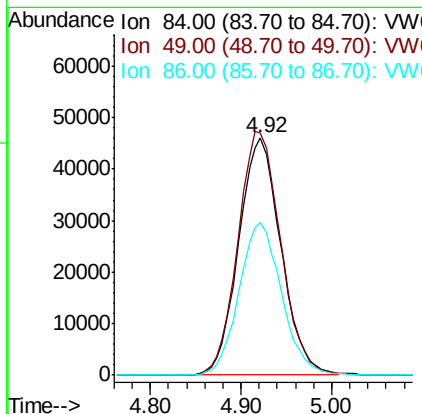
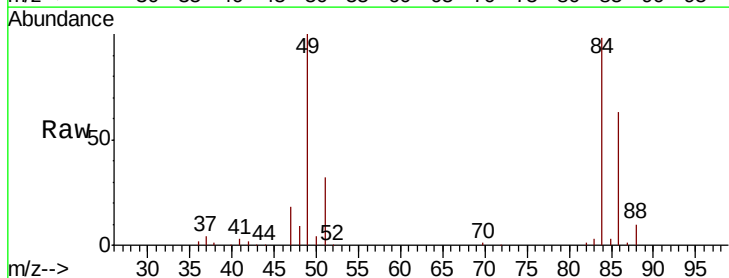
Instrument :
MSVOA_W
ClientSampled :
VSTD02511

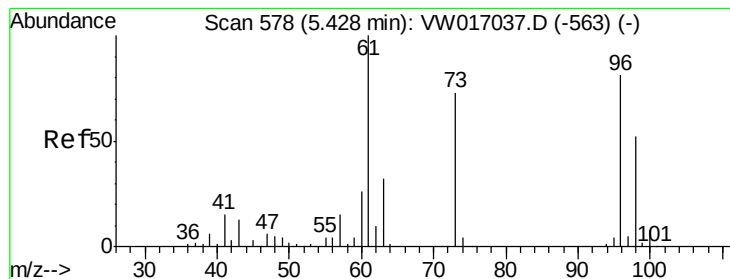
Tot Ion: 43 Resp: 37273
Ion Ratio Lower Upper
43 100
74 27.4 22.8 34.2



#16
Methylene chloride
Concen: 23.712 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017052.D
Acq: 03 Nov 2020 10:40

Tgt Ion: 84 Resp: 148438
Ion Ratio Lower Upper
84 100
49 102.1 73.8 137.0
86 64.0 47.4 88.0





#17

Methyl tert-butyl Ether

Concen: 23.471 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

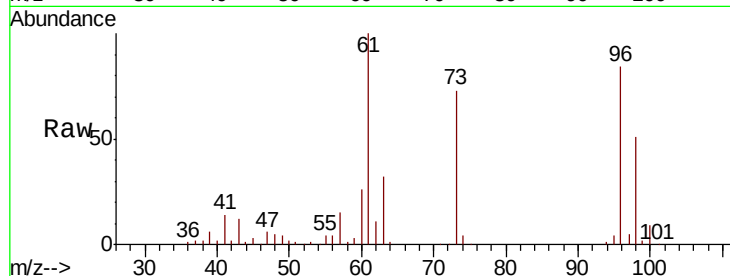
Tot Ion: 73 Resp: 158578

Ion Ratio Lower Upper

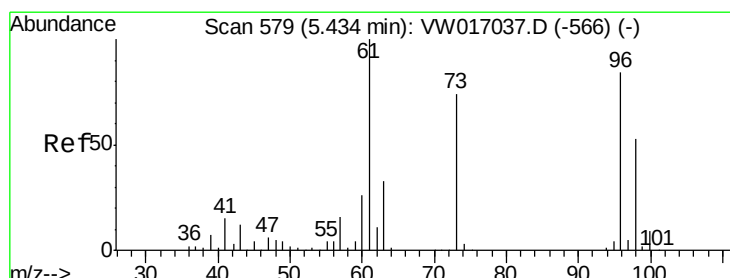
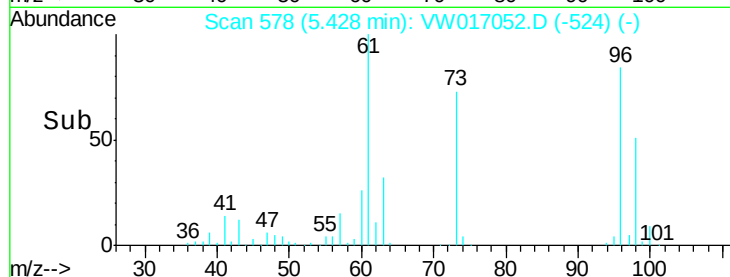
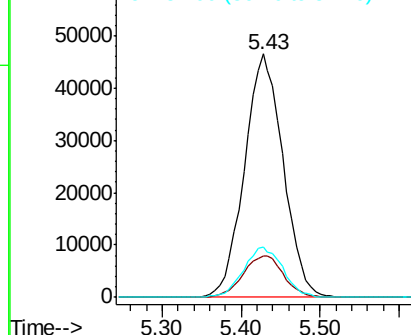
73 100

43 17.8 14.4 21.6

57 21.1 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: 25.057 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

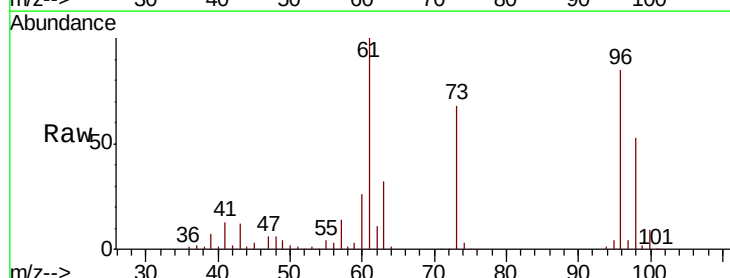
Tgt Ion: 96 Resp: 162427

Ion Ratio Lower Upper

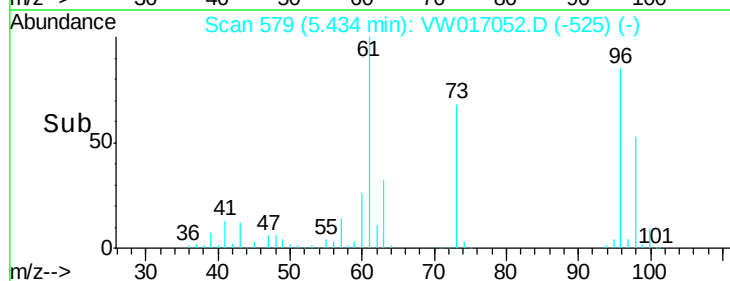
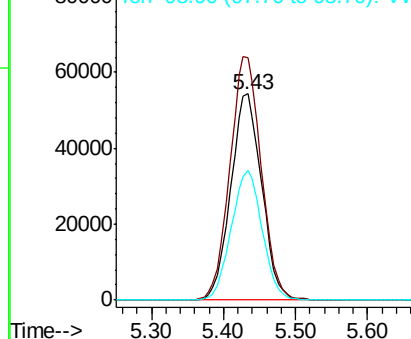
96 100

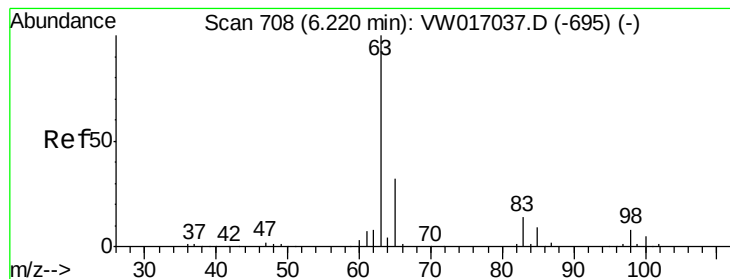
61 117.4 82.7 153.7

98 62.7 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: 24.958 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

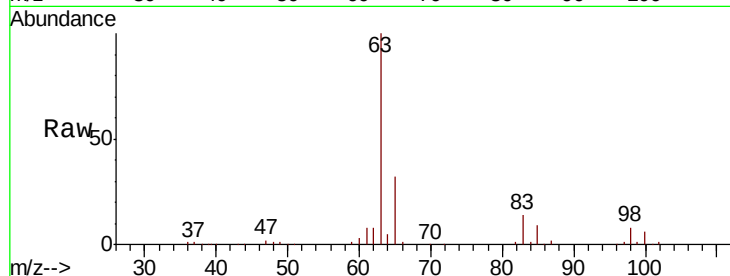
Tot Ion: 63 Resp: 247760

Ion Ratio Lower Upper

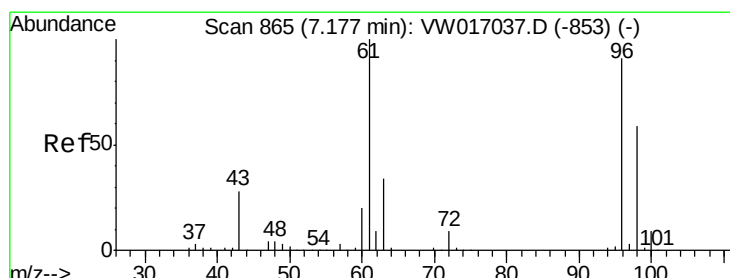
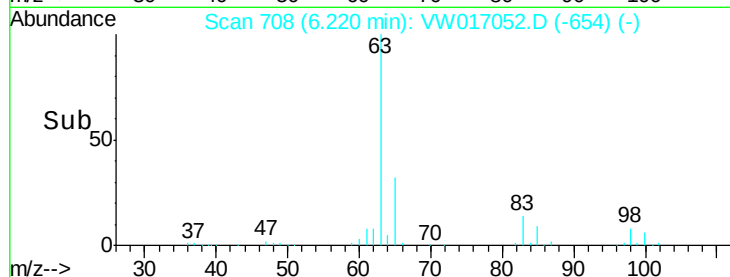
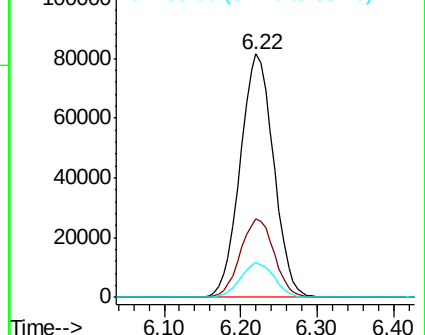
63 100

65 32.2 22.5 41.9

83 14.5 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: 38.996 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017052.D

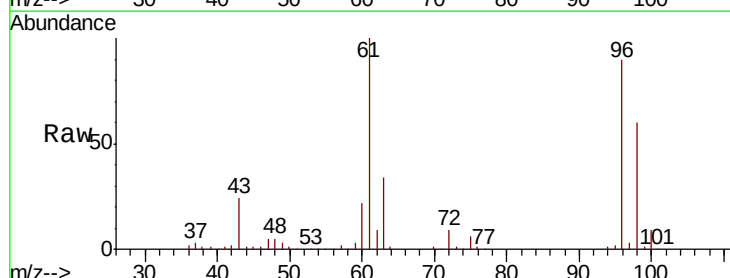
Acq: 03 Nov 2020 10:40

Tgt Ion: 43 Resp: 45204

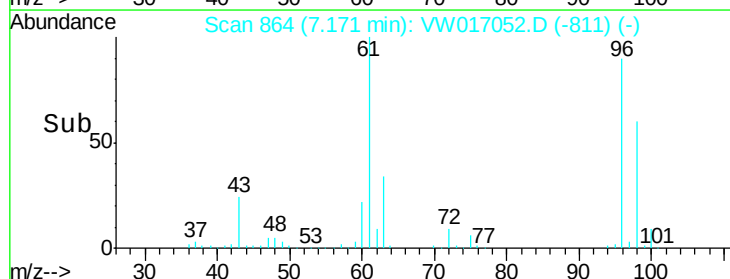
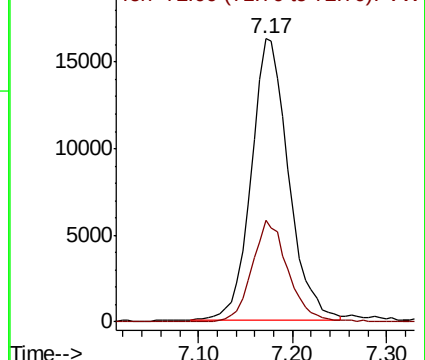
Ion Ratio Lower Upper

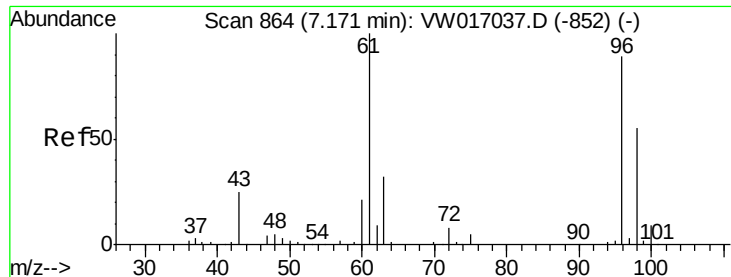
43 100

72 34.2 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: 25.029 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

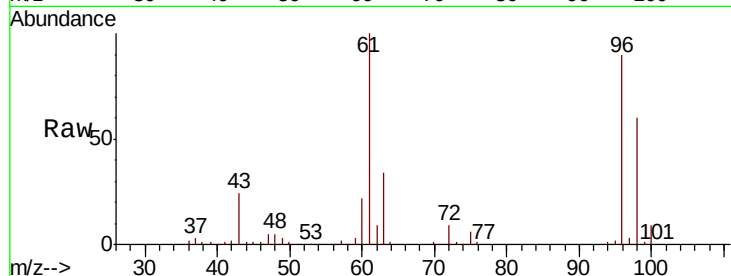
Tot Ion: 96 Resp: 164031

Ion Ratio Lower Upper

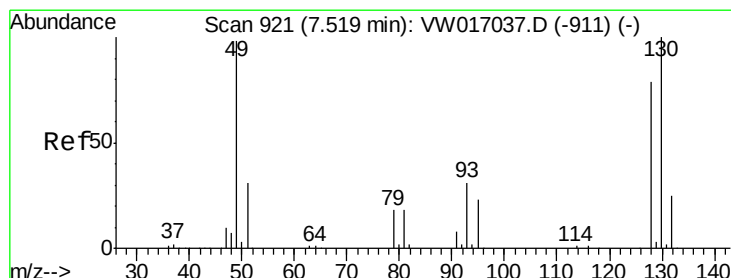
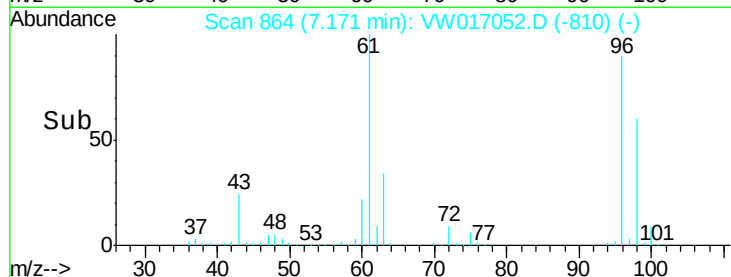
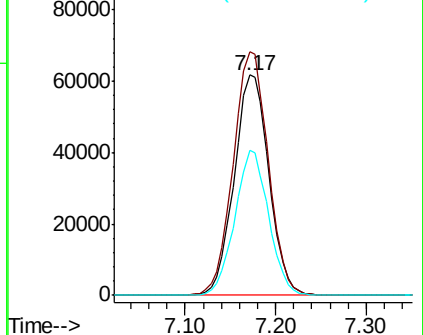
96 100

61 110.5 77.4 143.8

98 65.8 44.4 82.5



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: 23.816 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Tgt Ion: 128 Resp: 72049

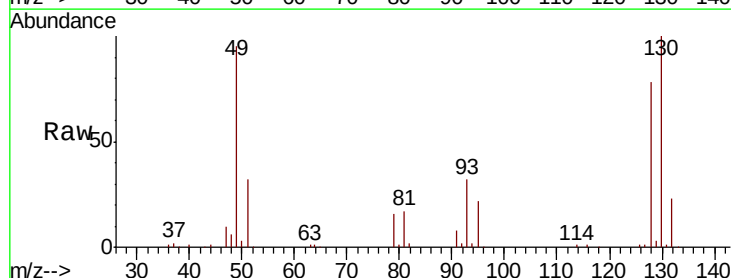
Ion Ratio Lower Upper

128 100

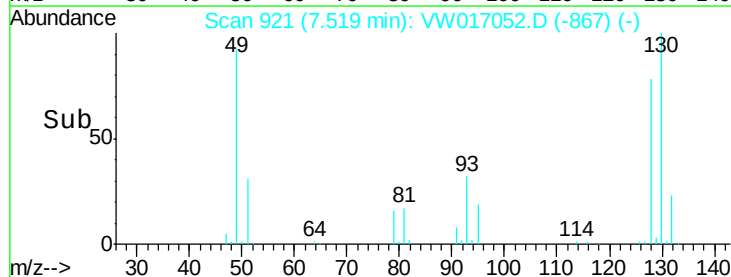
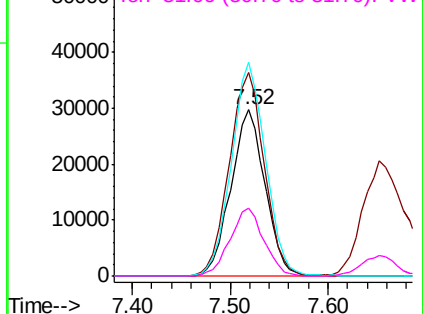
49 122.6 86.4 160.4

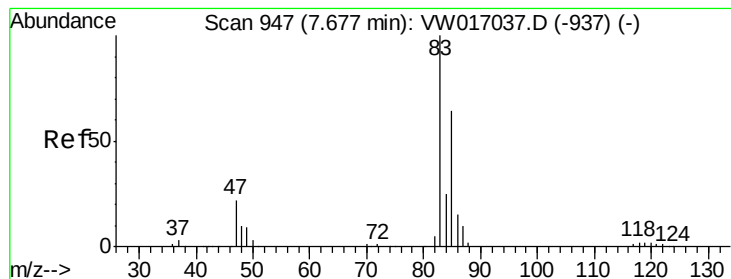
130 128.6 86.4 160.4

51 41.0 30.9 46.3



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





#25

Chloroform

Concen: 24.953 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampleId :

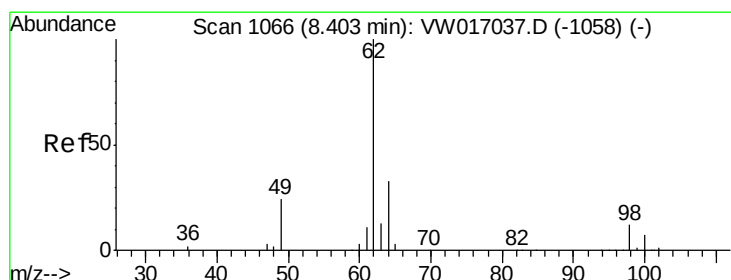
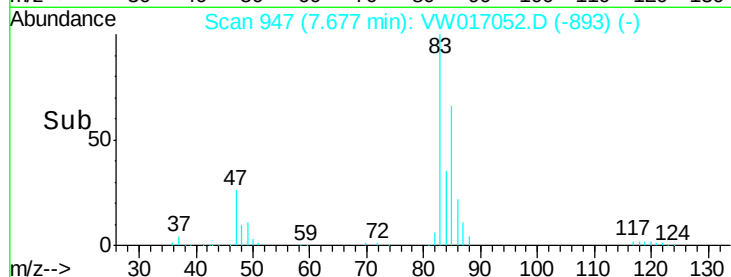
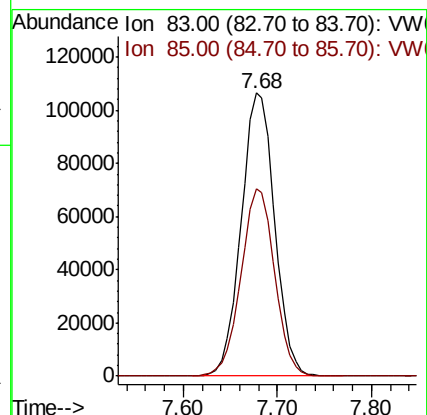
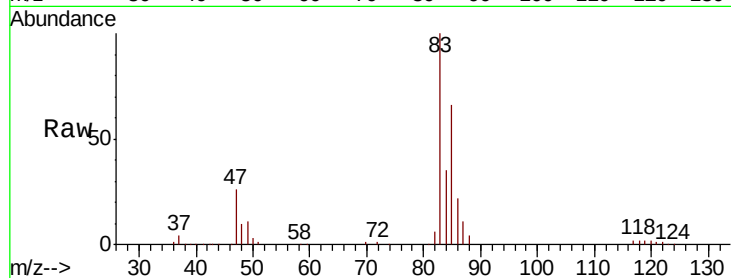
VSTD02511

Tot Ion: 83 Resp: 263710

Ion Ratio Lower Upper

83 100

85 66.8 46.6 86.6



#27

1,2-Dichloroethane

Concen: 22.870 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW017052.D

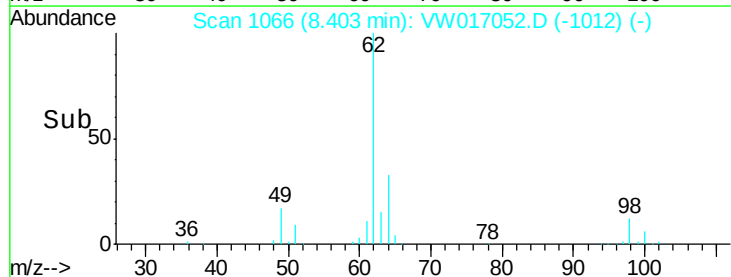
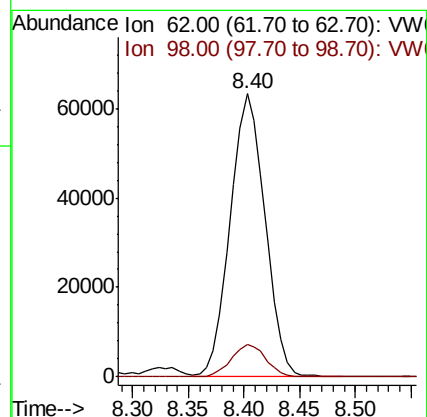
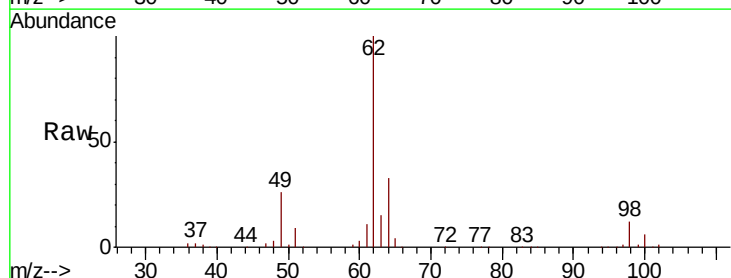
Acq: 03 Nov 2020 10:40

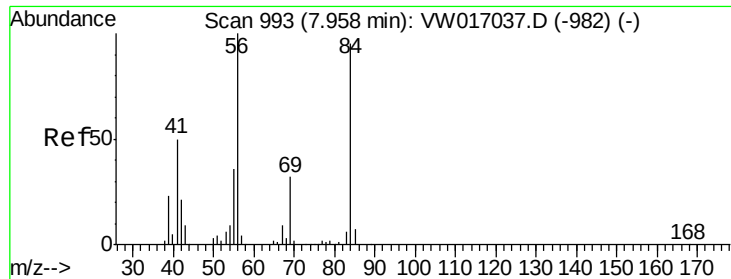
Tgt Ion: 62 Resp: 137635

Ion Ratio Lower Upper

62 100

98 11.6 8.5 12.7

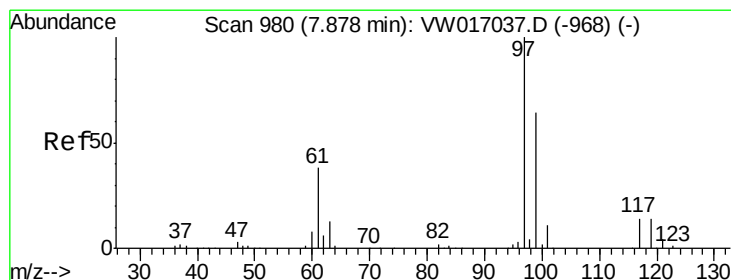
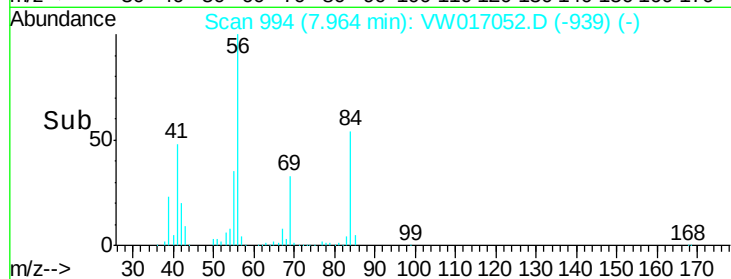
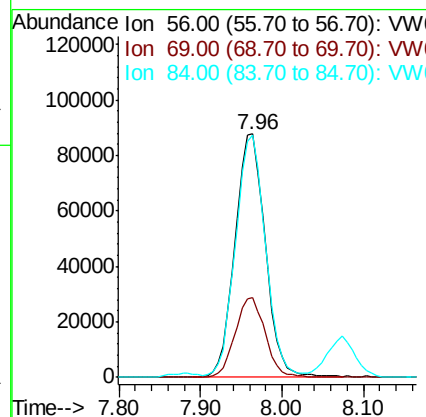
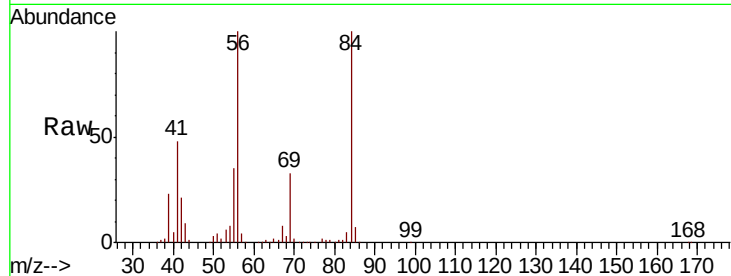




#30
Cyclohexane
Concen: 25.241 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW017052.D
Acq: 03 Nov 2020 10:40

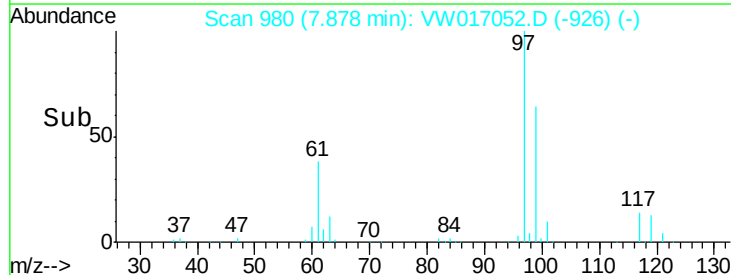
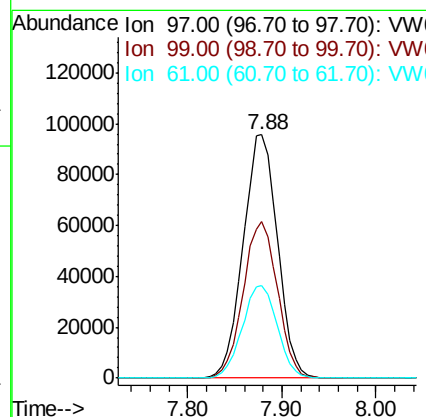
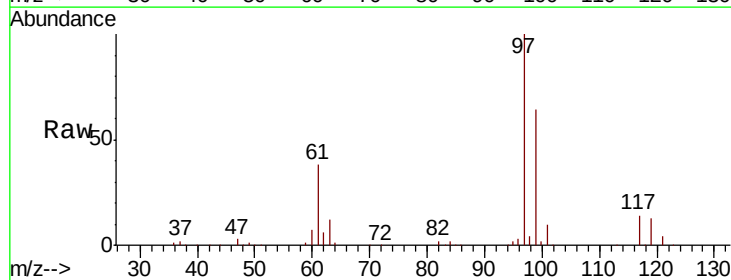
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

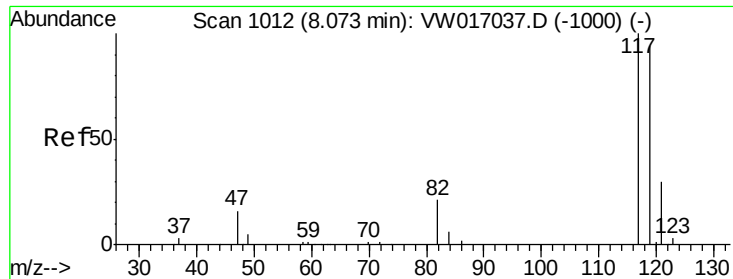
Tot Ion	56	Resp	225926
Ion Ratio	Lower	Upper	
56	100		
69	32.5	26.0	39.0
84	97.6	78.6	118.0



#31
1,1,1-Trichloroethane
Concen: 26.261 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW017052.D
Acq: 03 Nov 2020 10:40

Tgt Ion	97	Resp	243270
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.3	76.9
61	38.8	31.8	47.8





#32

Carbon tetrachloride

Concen: 25.868 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampled :

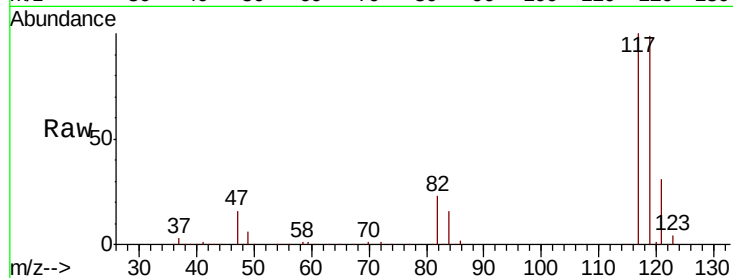
VSTD02511

Tot Ion:117 Resp: 230015

Ion Ratio Lower Upper

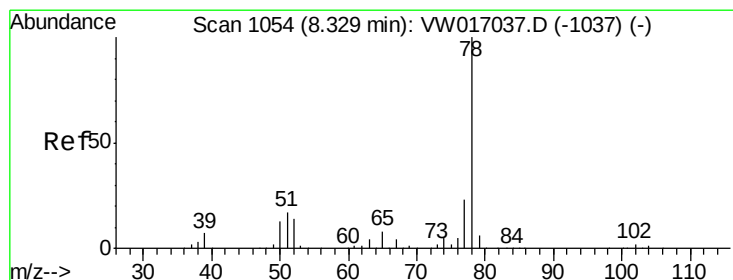
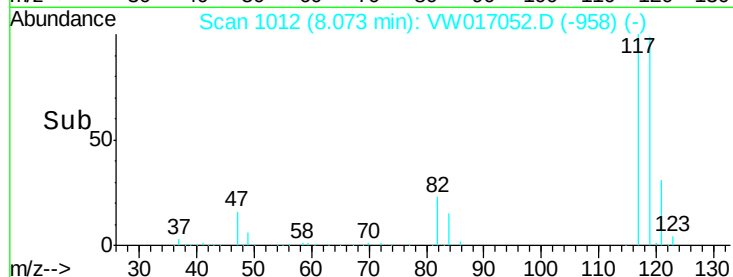
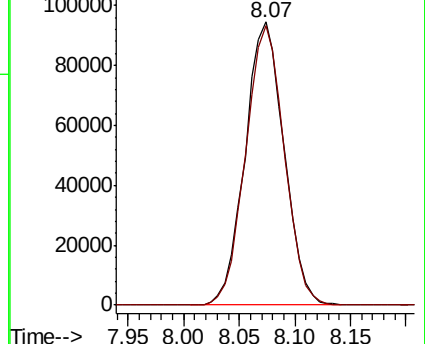
117 100

119 98.1 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: 25.070 ug/L

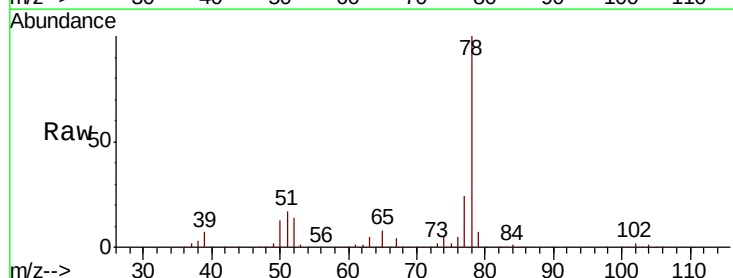
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

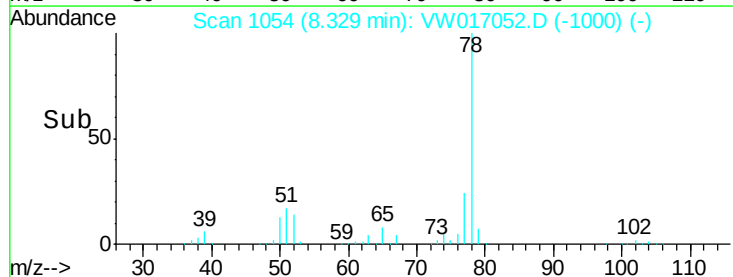
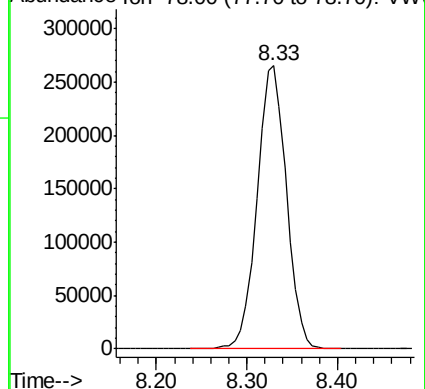
Lab File: VW017052.D

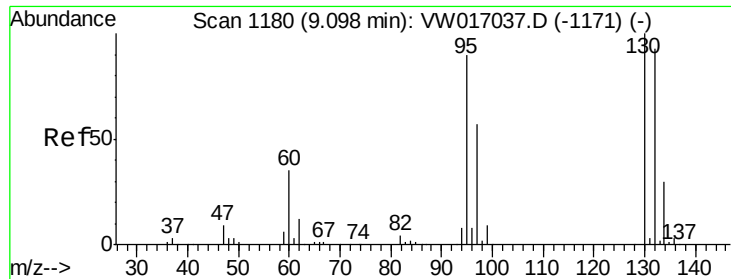
Acq: 03 Nov 2020 10:40

Tgt Ion: 78 Resp: 592606



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.126 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampled :

VSTD02511

Tot Ion: 95 Resp: 164493

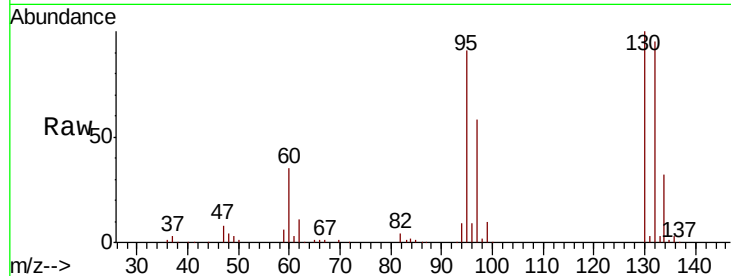
Ion Ratio Lower Upper

95 100

97 64.1 46.0 85.4

132 106.6 73.9 137.3

130 111.2 77.6 144.2

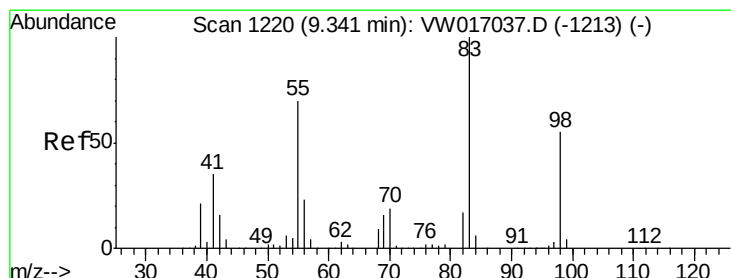
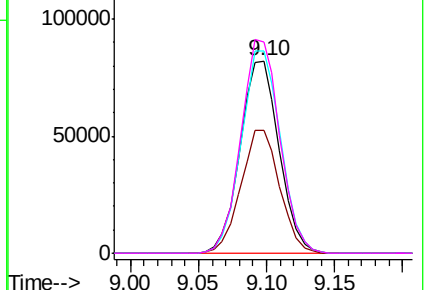
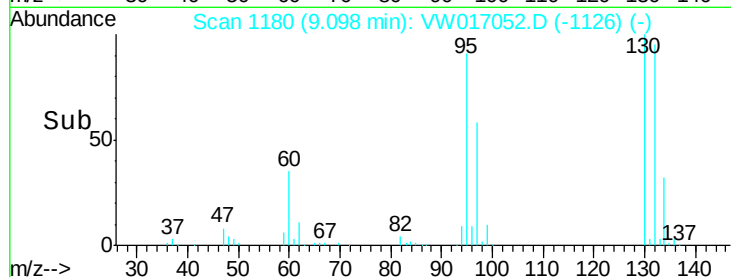


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#36

Methylcyclohexane

Concen: 25.535 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

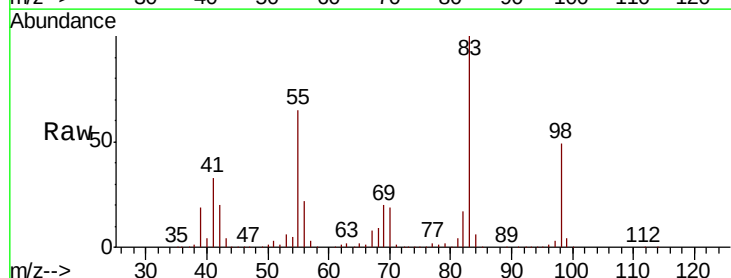
Tgt Ion: 83 Resp: 280742

Ion Ratio Lower Upper

83 100

55 67.2 54.5 81.7

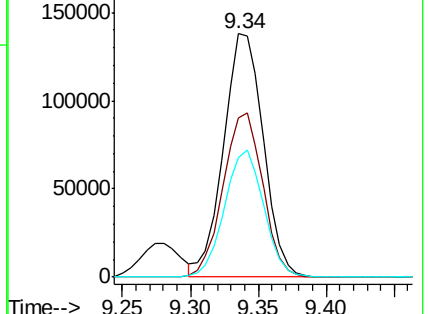
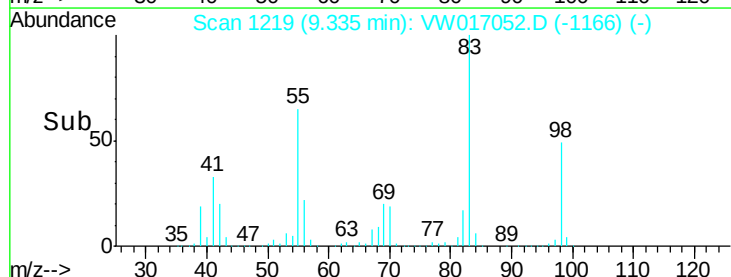
98 51.6 40.8 61.2

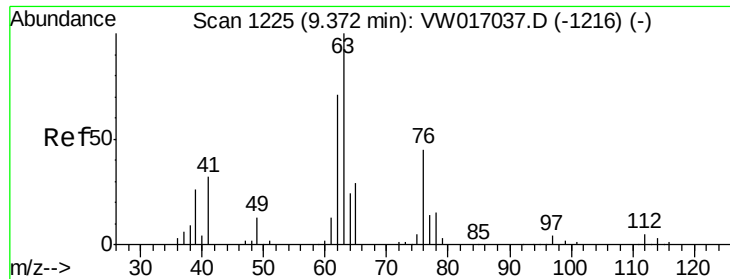


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.980 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampled :

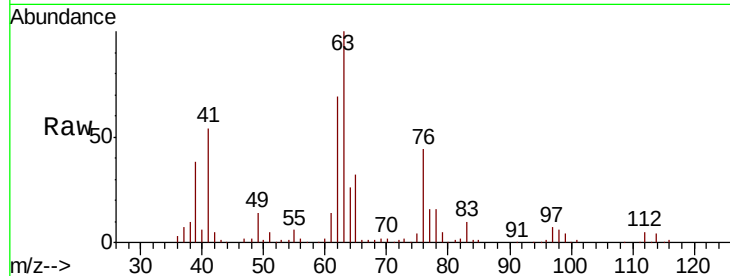
VSTD02511

Tot Ion: 63 Resp: 131871

Ion Ratio Lower Upper

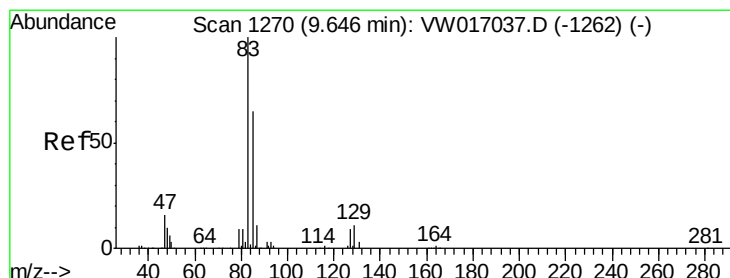
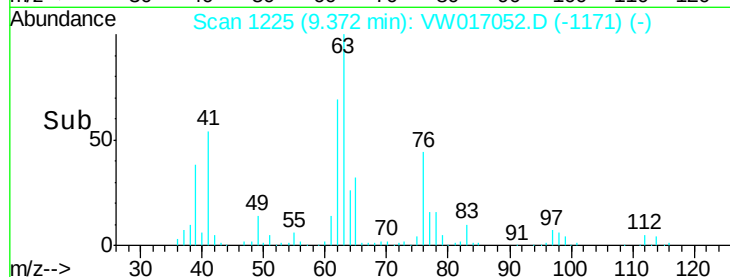
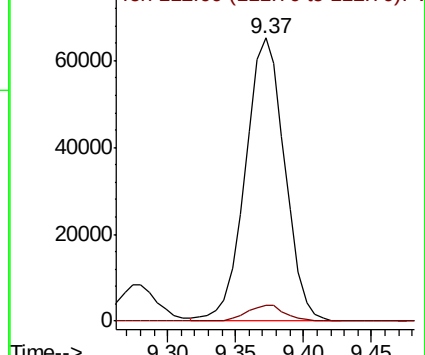
63 100

112 5.4 4.5 6.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.893 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

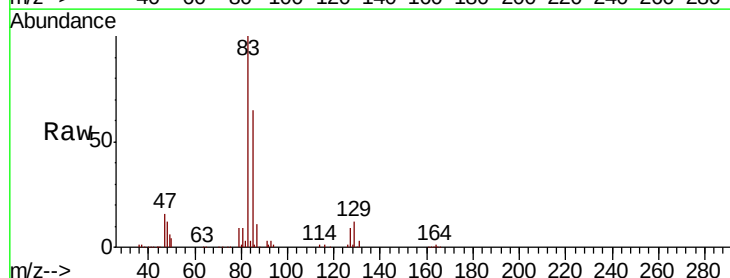
Tgt Ion: 83 Resp: 178360

Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.9

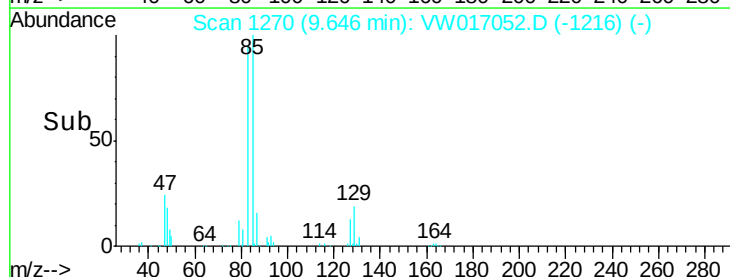
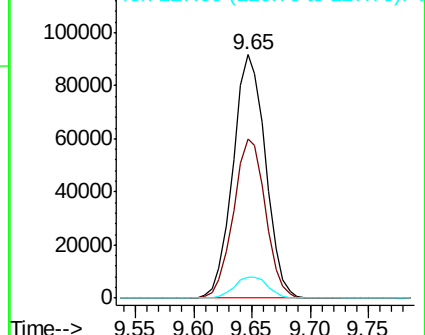
127 8.8 7.8 11.6

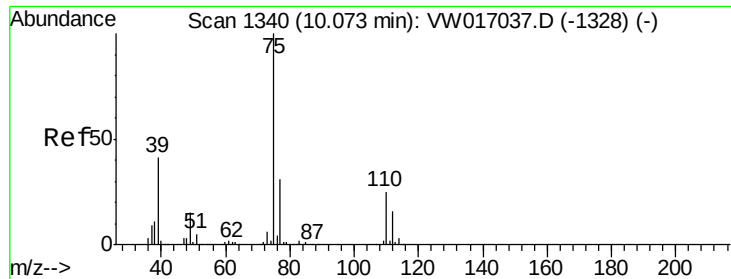


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.850 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampled :

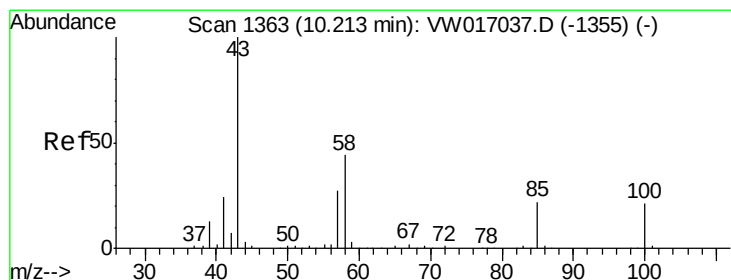
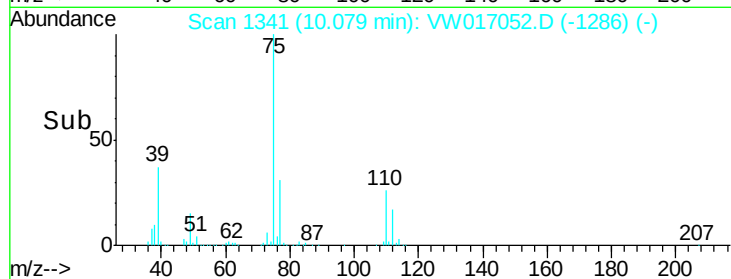
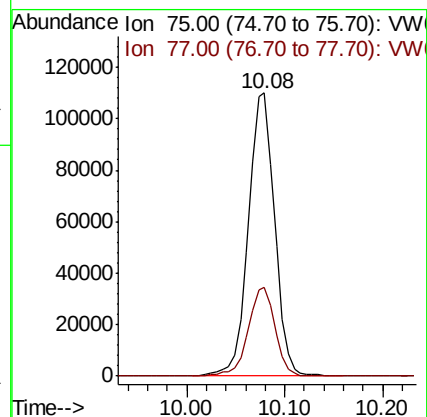
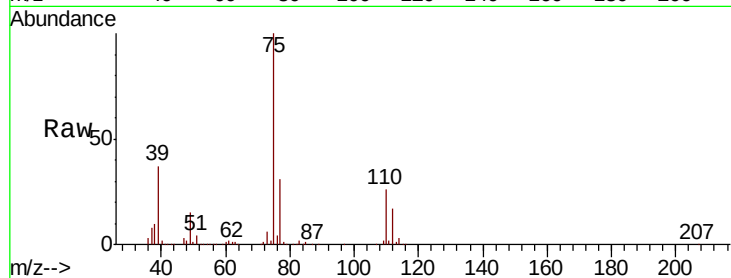
VSTD02511

Tot Ion: 75 Resp: 205133

Ion Ratio Lower Upper

75 100

77 31.2 22.7 42.1



#43

4-Methyl-2-pentanone

Concen: 40.879 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

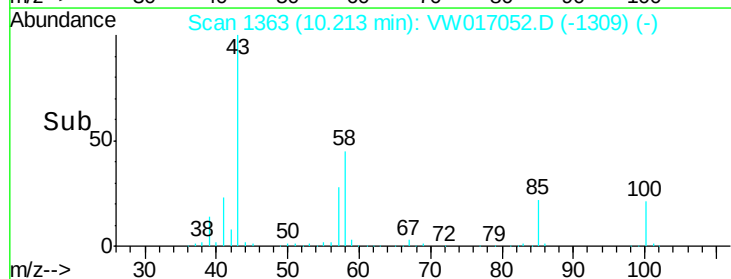
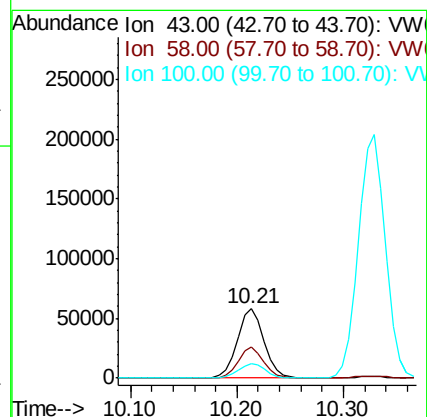
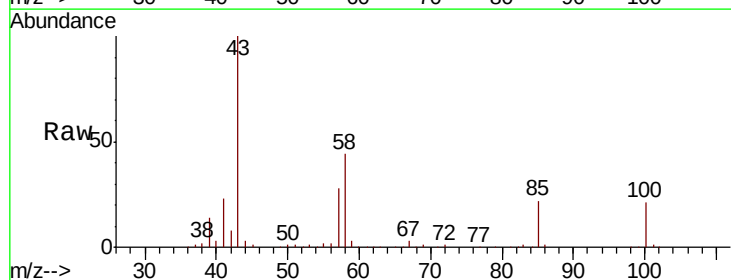
Tgt Ion: 43 Resp: 102294

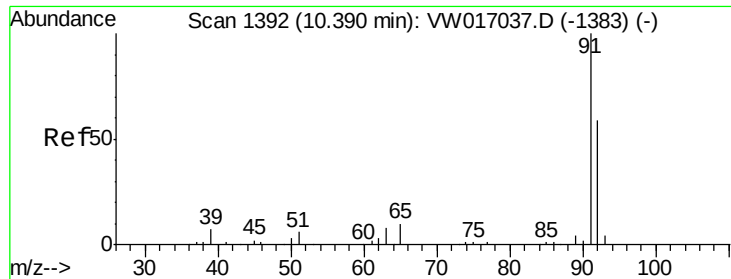
Ion Ratio Lower Upper

43 100

58 43.0 34.4 51.6

100 20.7 16.2 24.2





#44

Toluene

Concen: 25.404 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampled :

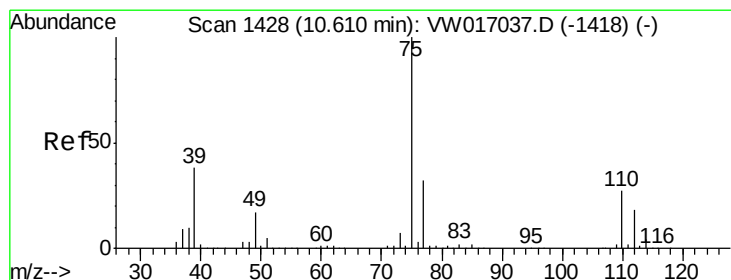
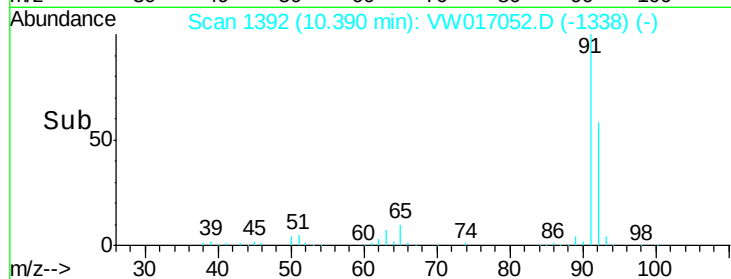
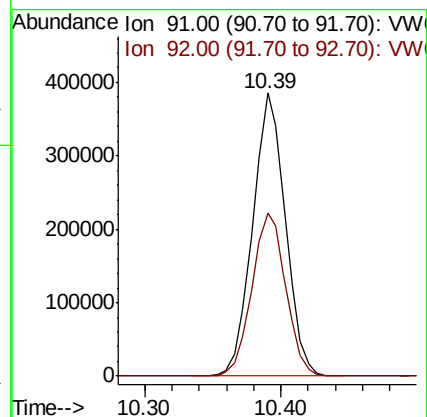
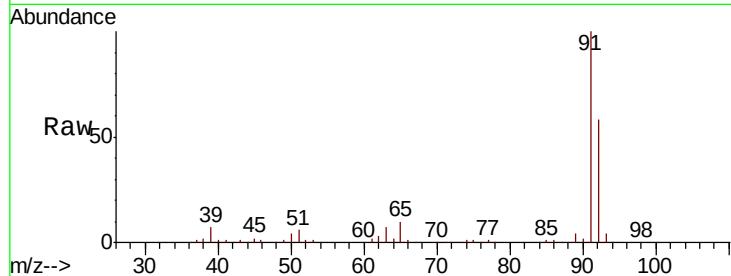
VSTD02511

Tot Ion: 91 Resp: 650616

Ion Ratio Lower Upper

91 100

92 57.8 40.1 74.5



#45

trans-1,3-Dichloropropene

Concen: 24.146 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017052.D

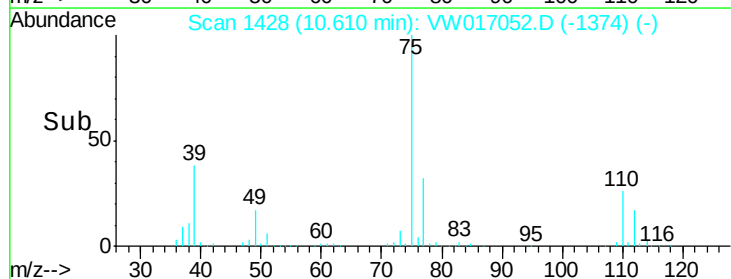
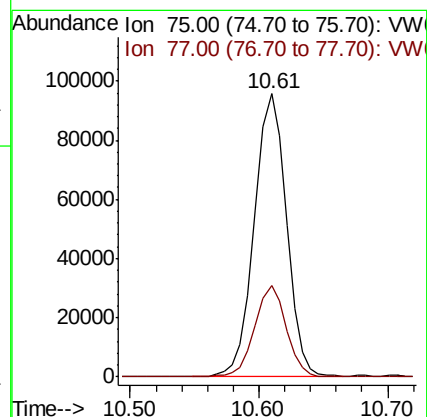
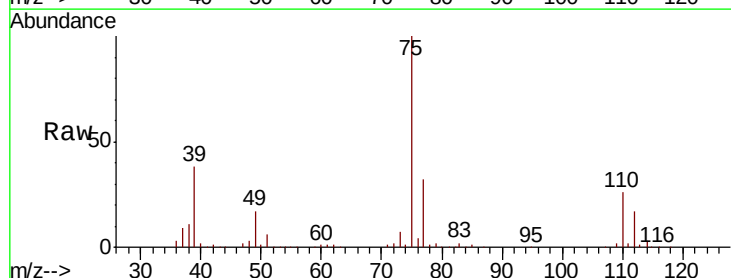
Acq: 03 Nov 2020 10:40

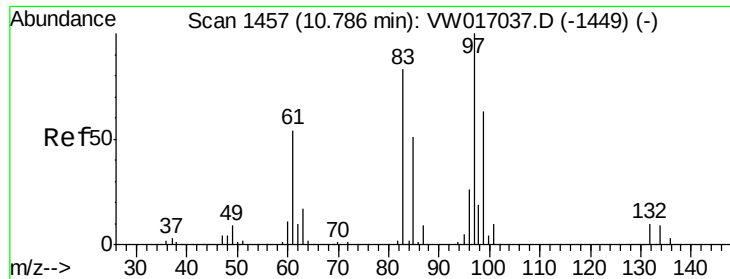
Tgt Ion: 75 Resp: 165117

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.3

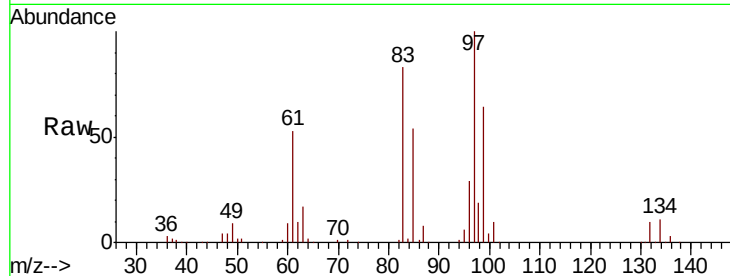




#46
1,1,2-Trichloroethane
Concen: 22.587 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.01 min
Lab File: VW017052.D
Acq: 03 Nov 2020 10:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Tot Ion:	97	Resp:	95440
Ion	Ratio	Lower	Upper
97	100		
83	83.0	56.6	105.0
85	53.7	34.6	64.3
99	64.1	43.5	80.9



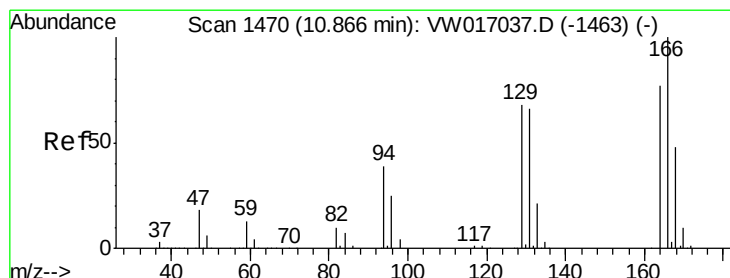
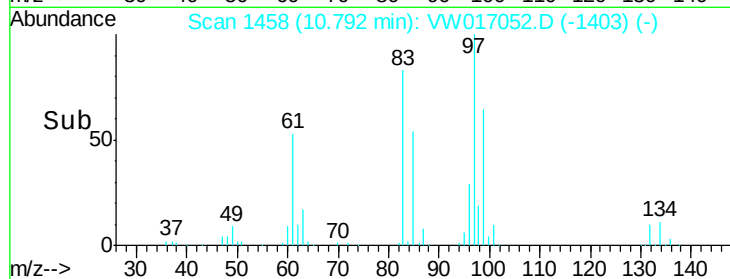
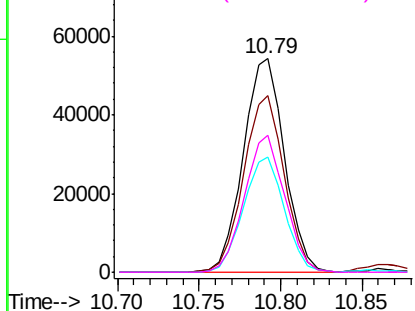
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

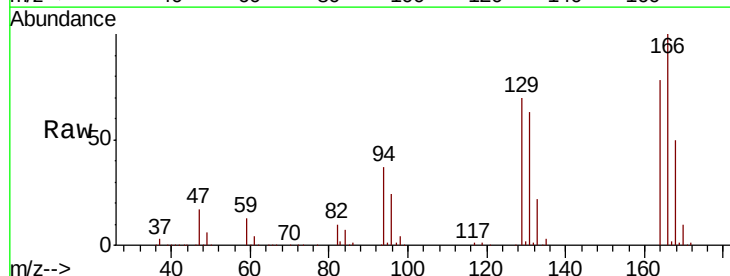
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 24.990 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW017052.D
Acq: 03 Nov 2020 10:40

Tgt Ion:	164	Resp:	150490
Ion	Ratio	Lower	Upper
164	100		
129	89.5	64.0	119.0
131	80.4	61.7	114.5
166	127.5	94.6	175.8



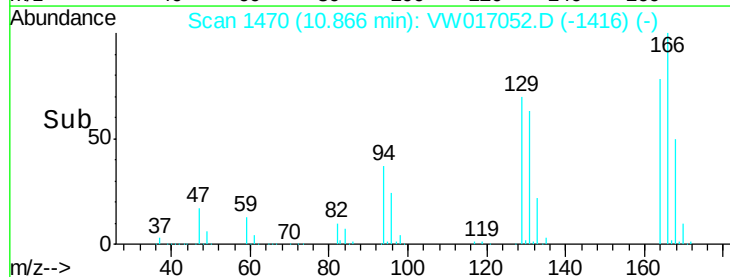
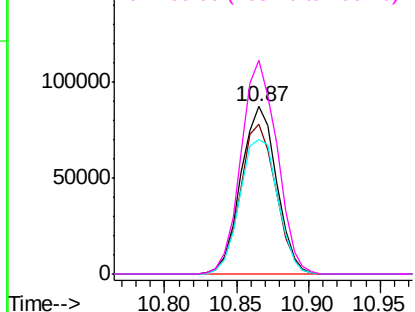
Abundance

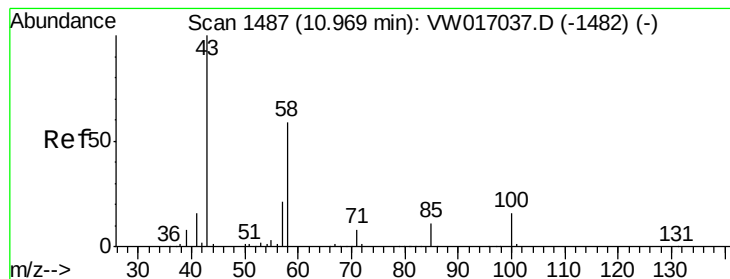
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 42.229 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

Tot Ion: 43 Resp: 67345

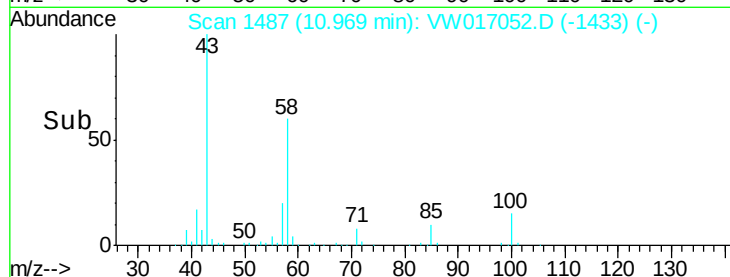
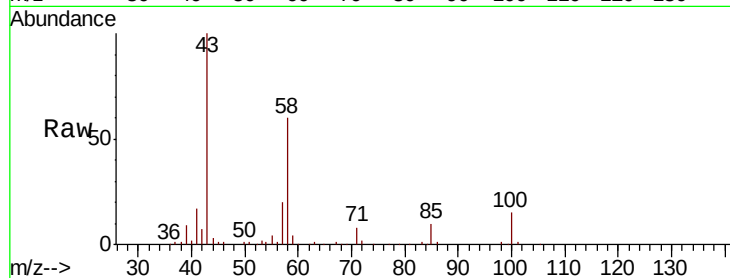
Ion Ratio Lower Upper

43 100

58 59.8 49.2 73.8

57 21.3 17.0 25.4

100 16.2 13.2 19.8

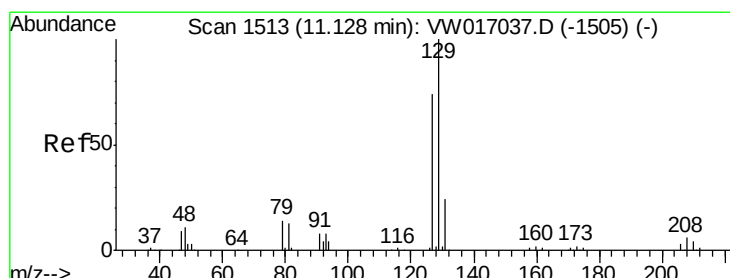
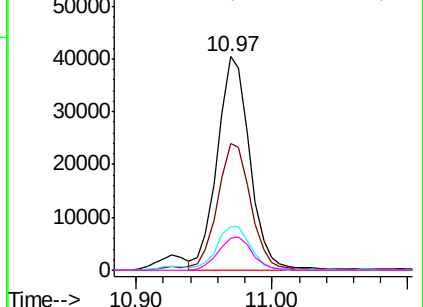


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 23.827 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW017052.D

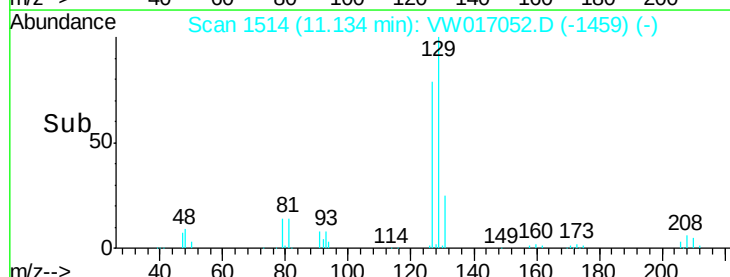
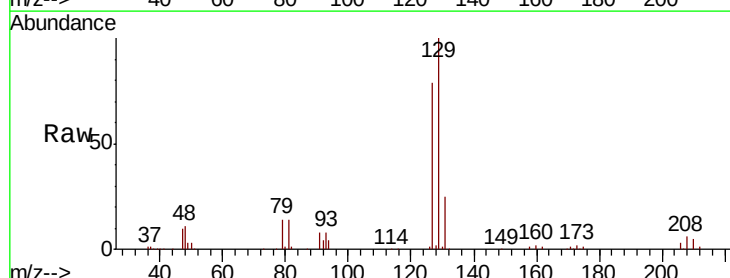
Acq: 03 Nov 2020 10:40

Tgt Ion: 129 Resp: 122650

Ion Ratio Lower Upper

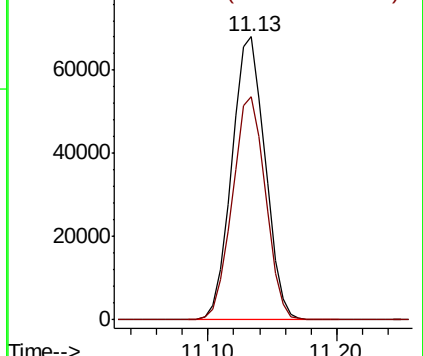
129 100

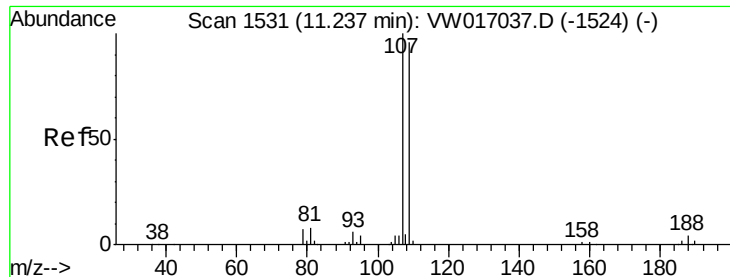
127 78.7 55.4 102.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

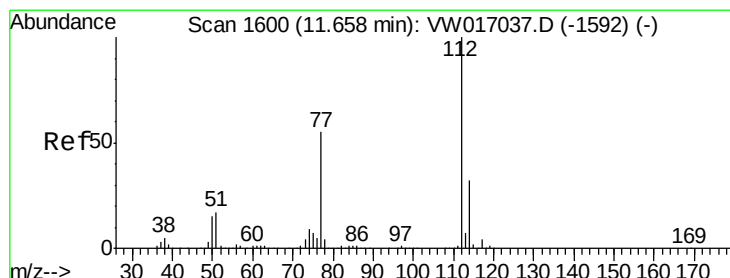
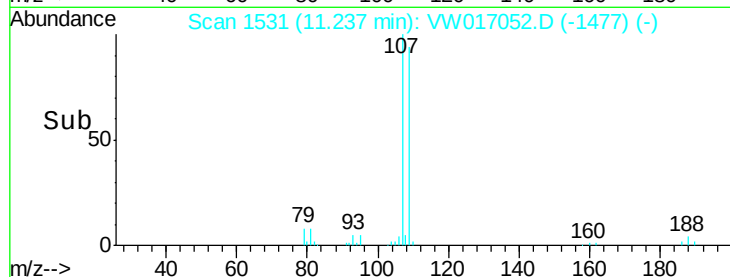
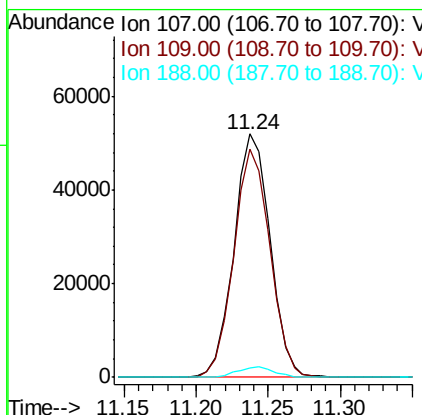
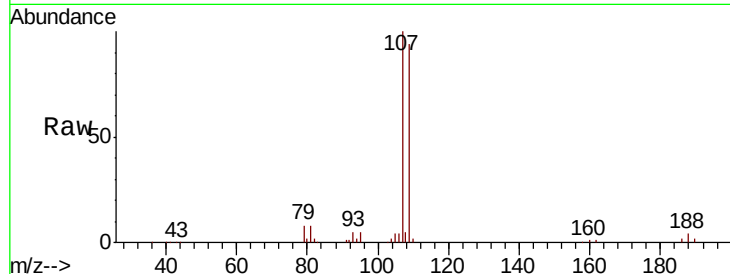




#51
 1,2-Dibromoethane
 Concen: 22.526 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW017052.D
 Acq: 03 Nov 2020 10:40

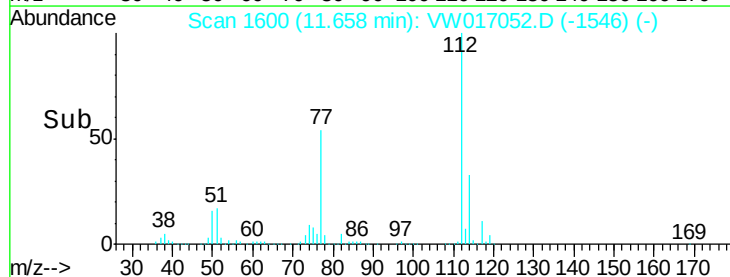
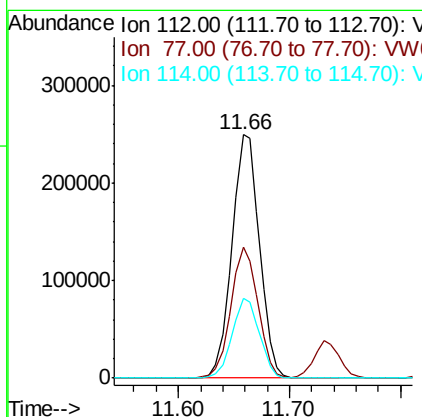
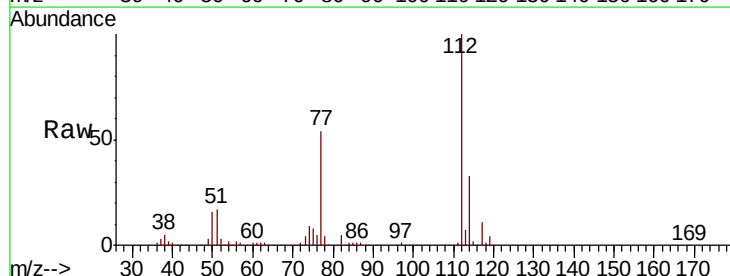
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

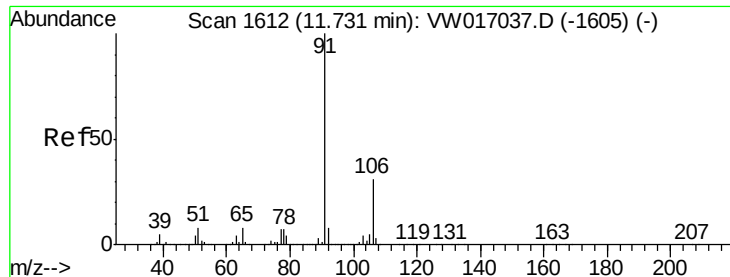
Tot Ion:107 Resp: 90743
 Ion Ratio Lower Upper
 107 100
 109 93.9 65.7 121.9
 188 3.9 3.1 4.7



#52
 Chlorobenzene
 Concen: 24.868 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017052.D
 Acq: 03 Nov 2020 10:40

Tgt Ion:112 Resp: 425759
 Ion Ratio Lower Upper
 112 100
 77 53.9 42.5 63.7
 114 32.5 22.3 41.3





#53

Ethylbenzene

Concen: 25.689 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampleId :

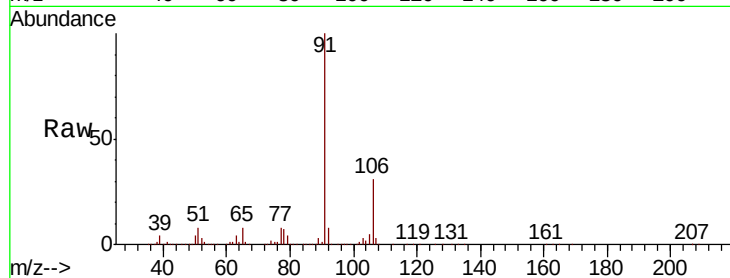
VSTD02511

Tot Ion: 91 Resp: 738843

Ion Ratio Lower Upper

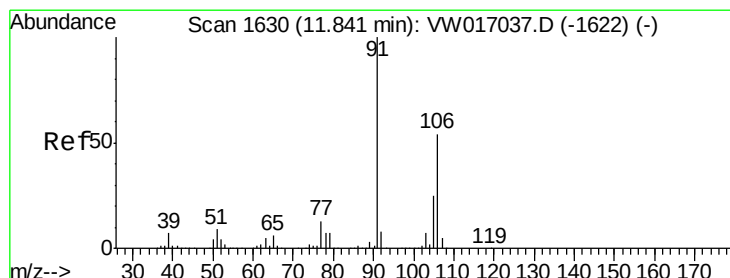
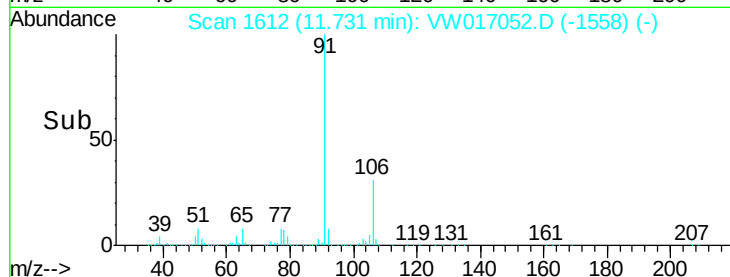
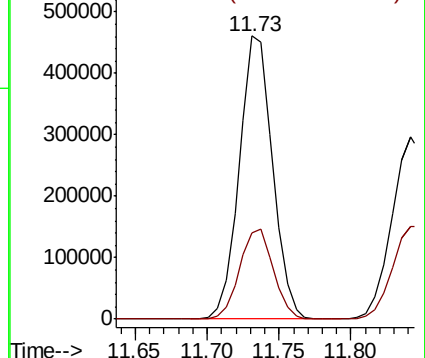
91 100

106 30.6 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 25.785 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW017052.D

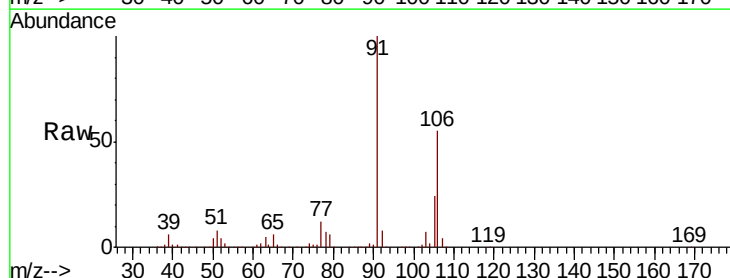
Acq: 03 Nov 2020 10:40

Tgt Ion: 106 Resp: 291765

Ion Ratio Lower Upper

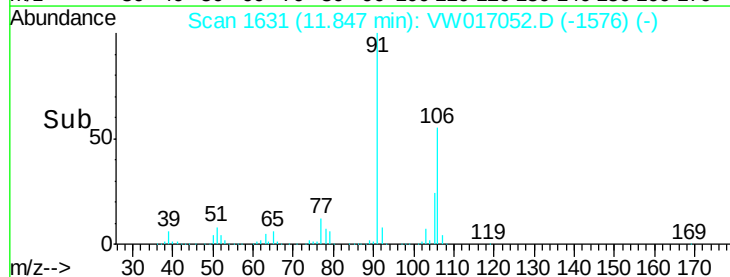
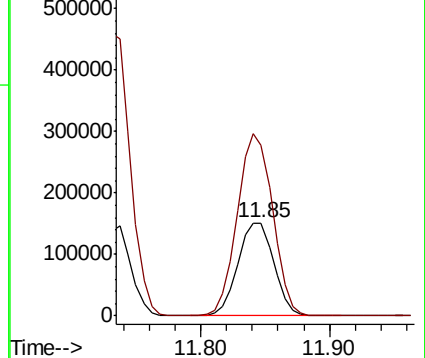
106 100

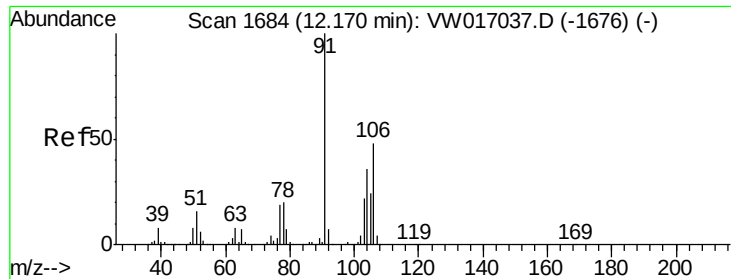
91 183.4 134.2 249.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 25.989 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampled :

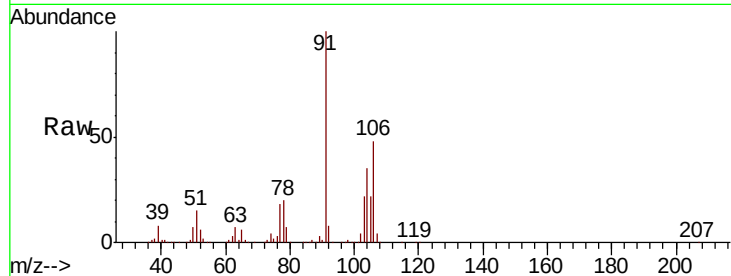
VSTD02511

Tot Ion:106 Resp: 272411

Ion Ratio Lower Upper

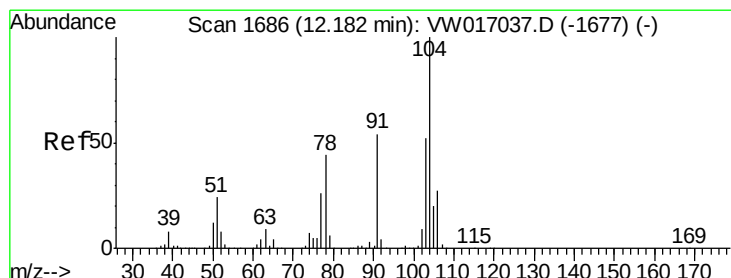
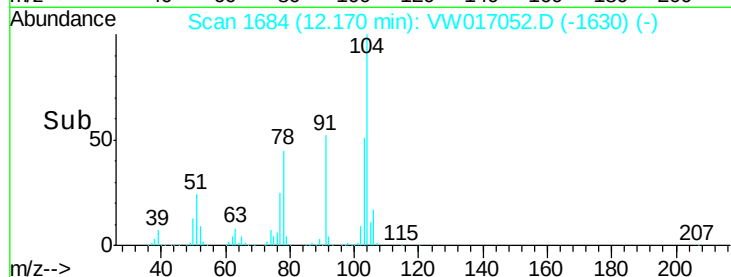
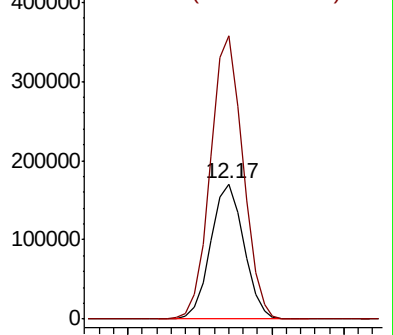
106 100

91 208.9 150.9 280.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.886 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW017052.D

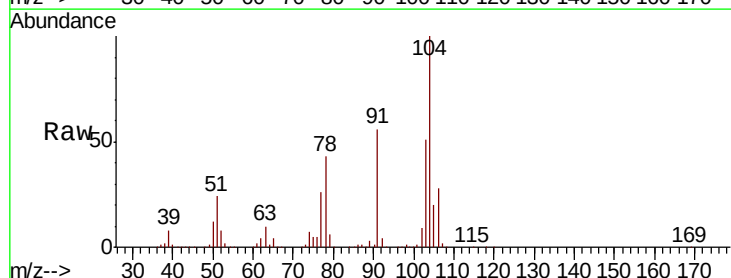
Acq: 03 Nov 2020 10:40

Tgt Ion:104 Resp: 453916

Ion Ratio Lower Upper

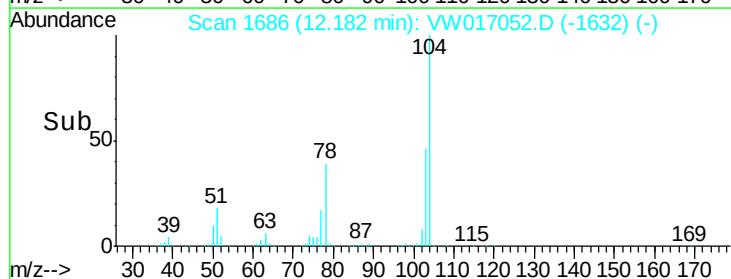
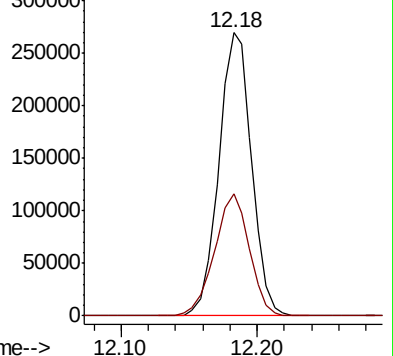
104 100

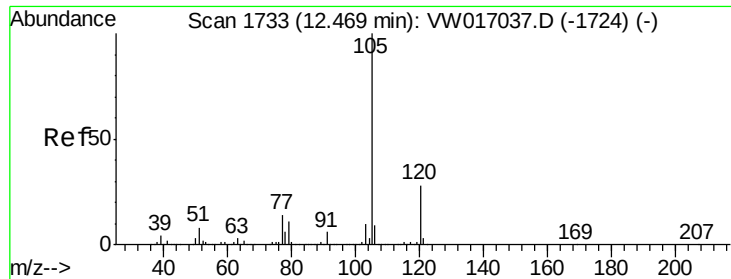
78 42.9 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.046 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

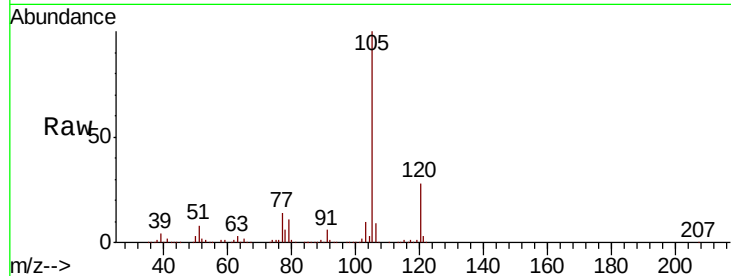
Tot Ion:105 Resp: 755127

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.2

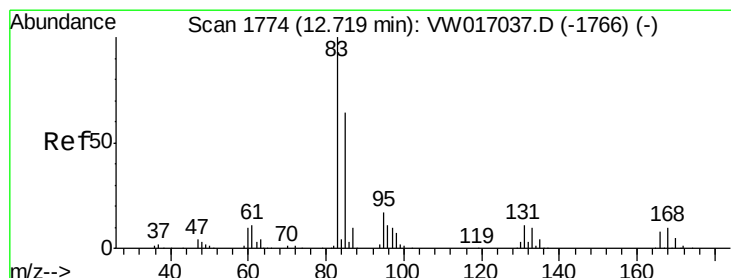
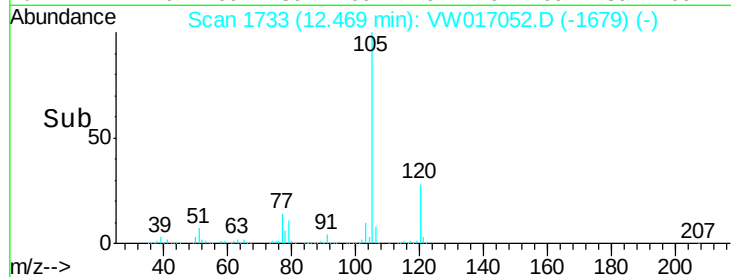
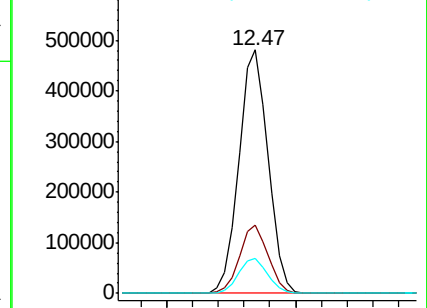
77 14.4 11.4 17.2



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: 21.831 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

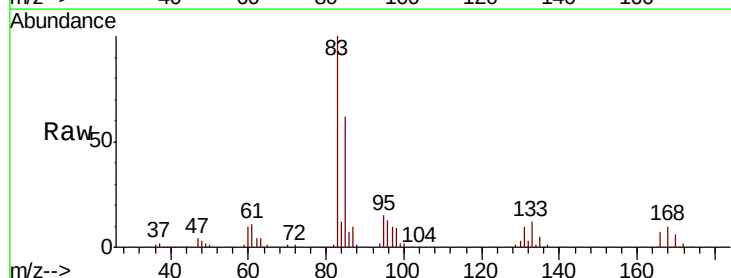
Tgt Ion: 83 Resp: 99012

Ion Ratio Lower Upper

83 100

85 62.5 45.1 83.7

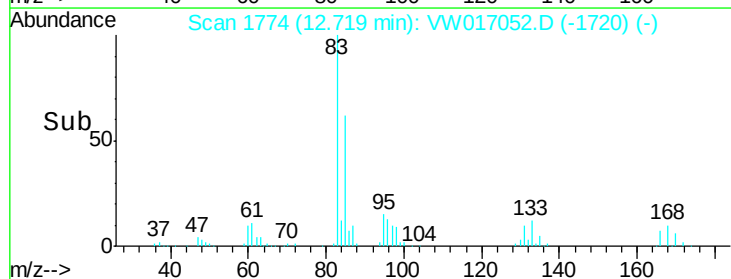
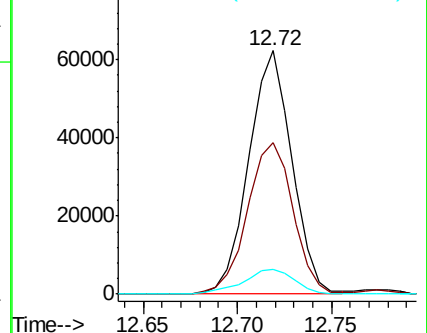
131 10.4 9.1 13.7

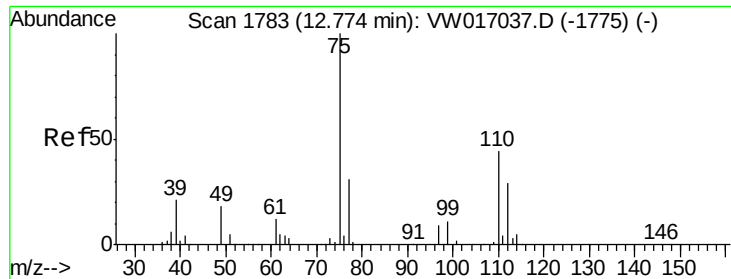


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.163 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampleId :

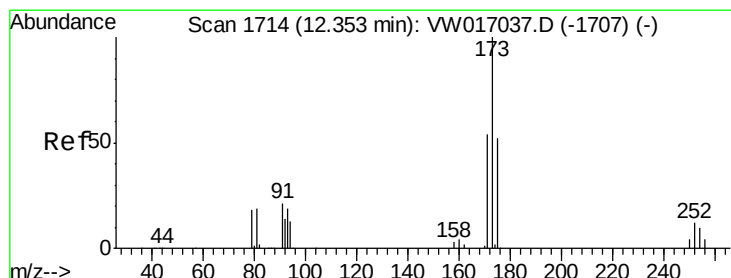
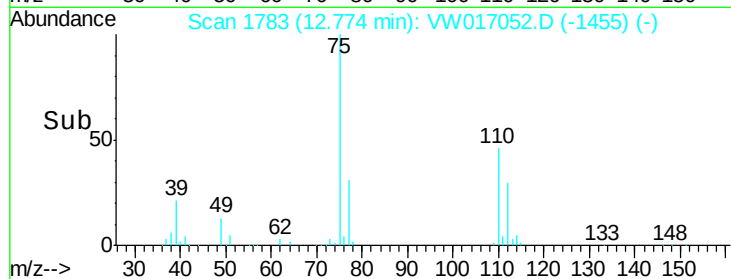
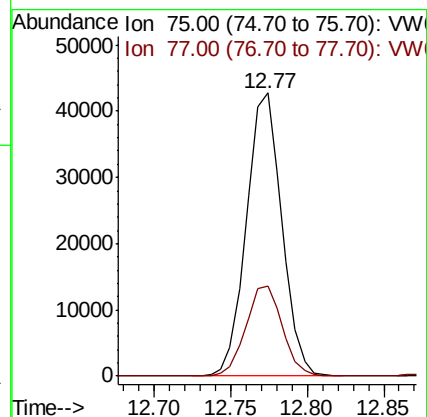
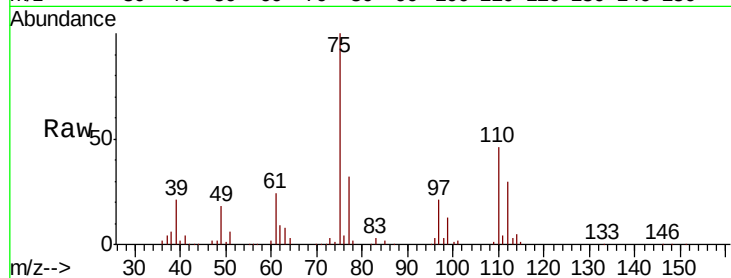
VSTD02511

Tot Ion: 75 Resp: 68689

Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.8



#62

Bromoform

Concen: 22.112 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

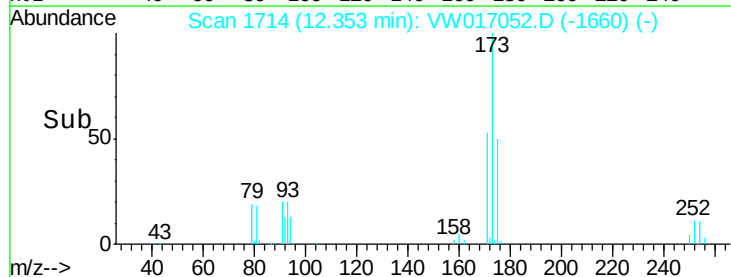
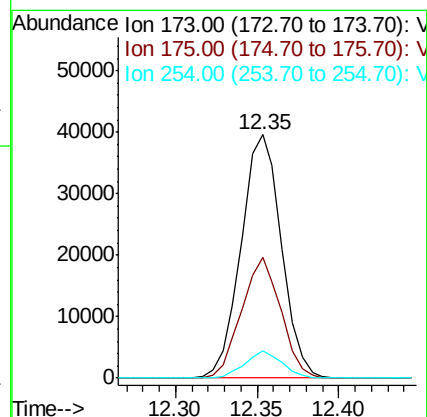
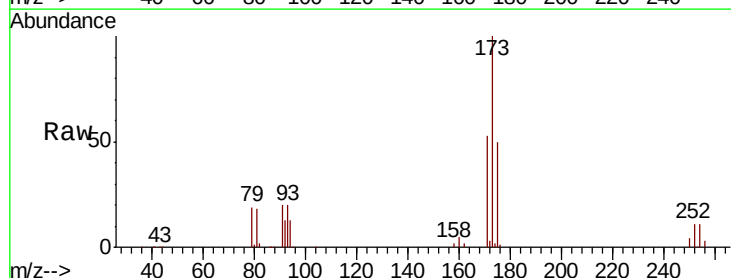
Tgt Ion: 173 Resp: 68288

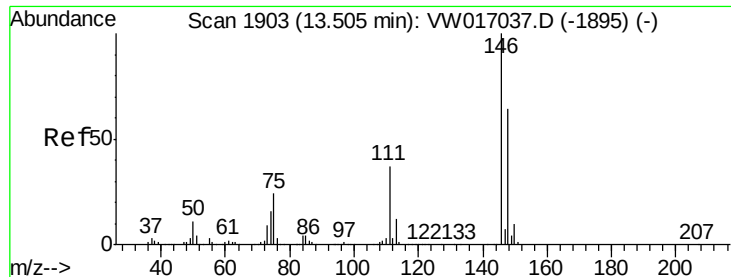
Ion Ratio Lower Upper

173 100

175 48.2 38.3 57.5

254 10.3 7.8 11.6

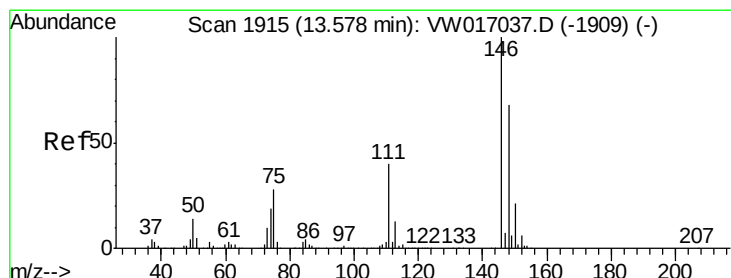
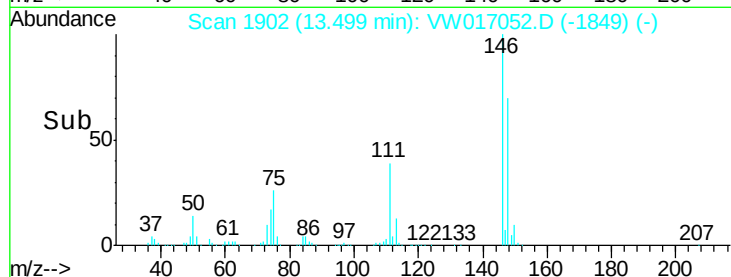
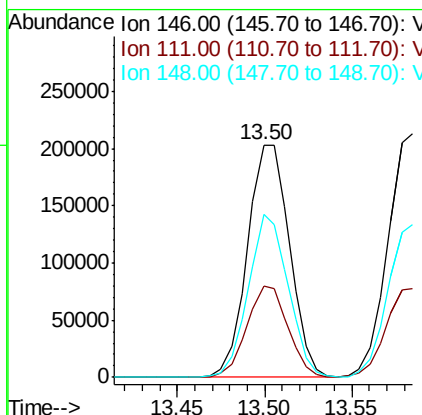
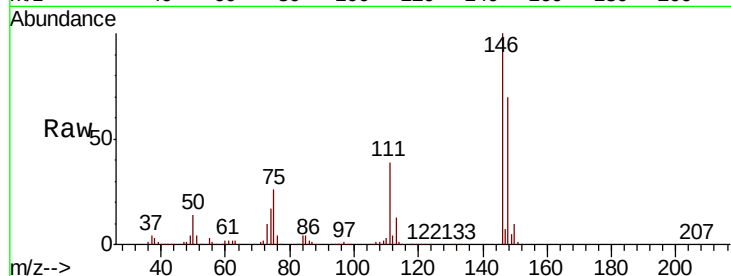




#63
 1,3-Dichlorobenzene
 Concen: 23.992 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW017052.D
 Acq: 03 Nov 2020 10:40

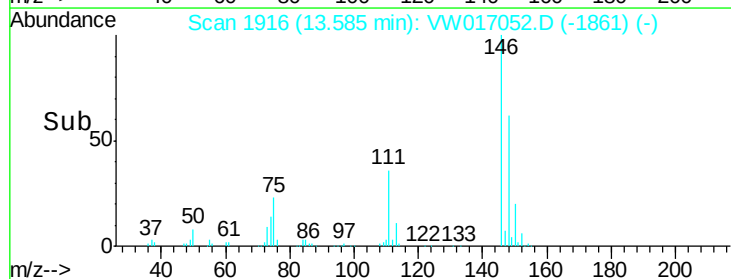
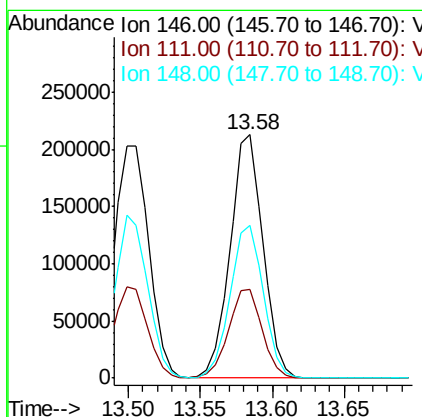
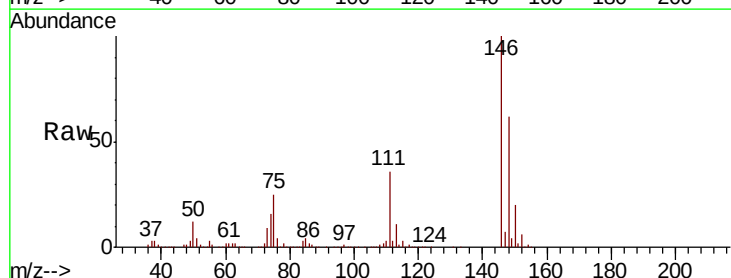
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02511

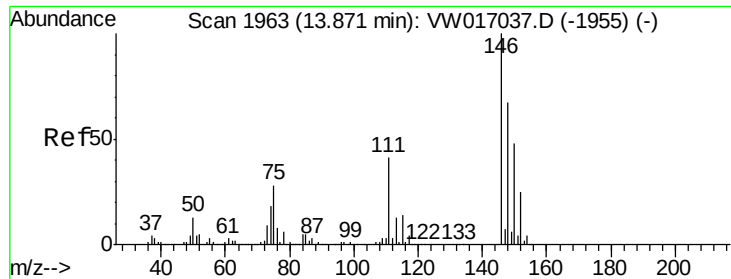
Tot Ion:146 Resp: 340221
 Ion Ratio Lower Upper
 146 100
 111 39.4 25.5 47.3
 148 69.9 43.1 80.1



#64
 1,4-Dichlorobenzene
 Concen: 24.020 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW017052.D
 Acq: 03 Nov 2020 10:40

Tgt Ion:146 Resp: 339549
 Ion Ratio Lower Upper
 146 100
 111 36.3 25.7 47.7
 148 62.5 44.3 82.3

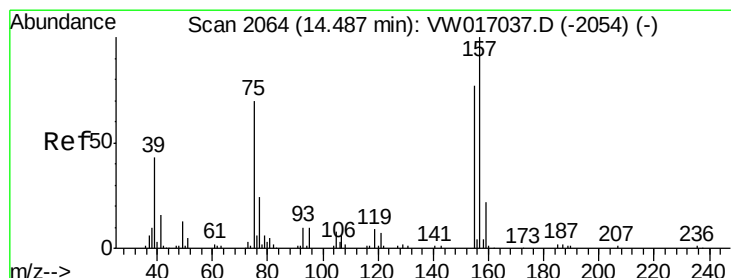
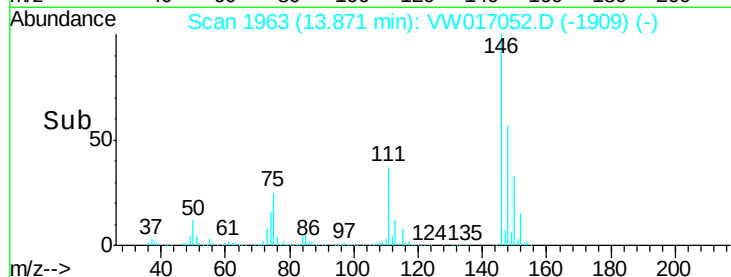
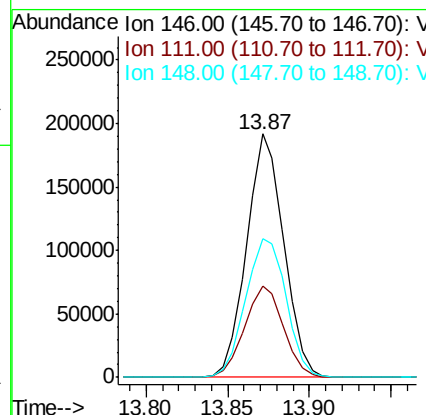
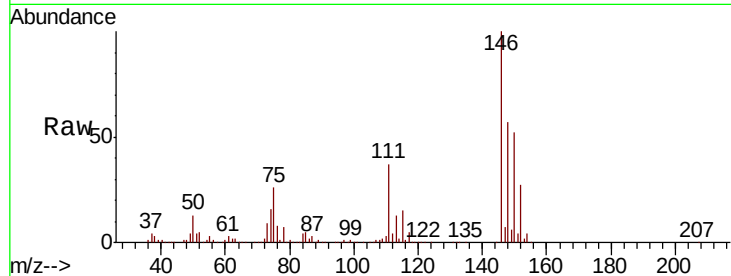




#65
 1,2-Dichlorobenzene
 Concen: 24.287 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017052.D
 Acq: 03 Nov 2020 10:40

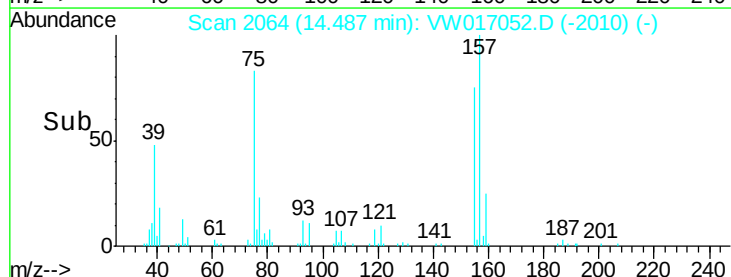
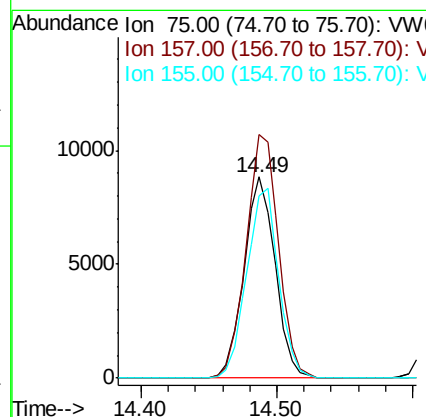
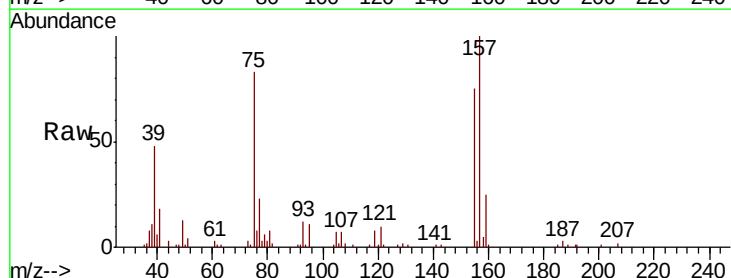
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02511

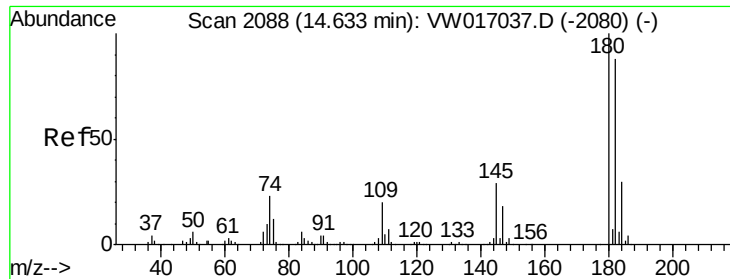
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	31.4	47.0
148	56.8	47.7	71.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.798 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017052.D
 Acq: 03 Nov 2020 10:40

Tgt Ion	Ratio	Lower	Upper
75	100		
157	121.1	102.5	153.7
155	90.6	80.3	120.5

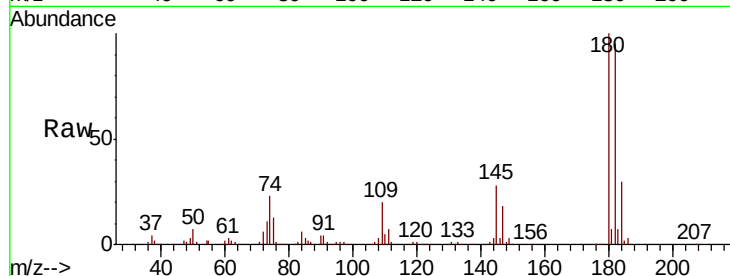




#67
 1,3,5-Trichlorobenzene
 Concen: 25.092 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW017052.D
 Acq: 03 Nov 2020 10:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.4	116.0
184	31.1	24.8	37.2
145	28.3	23.4	35.2



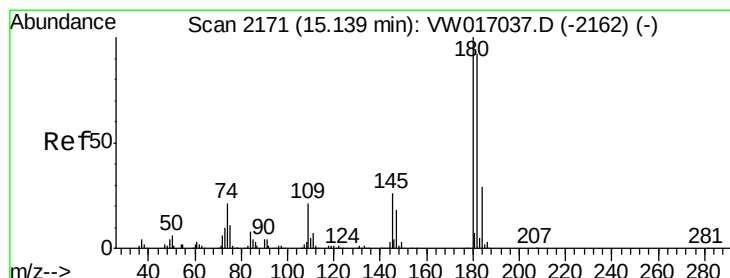
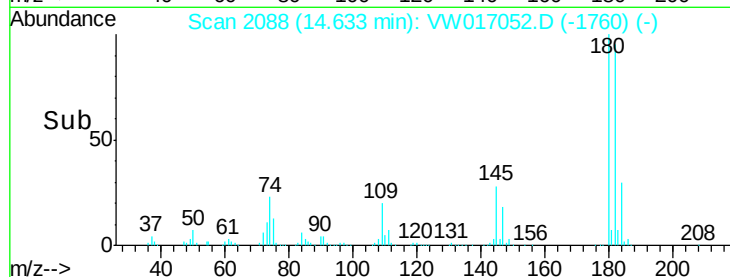
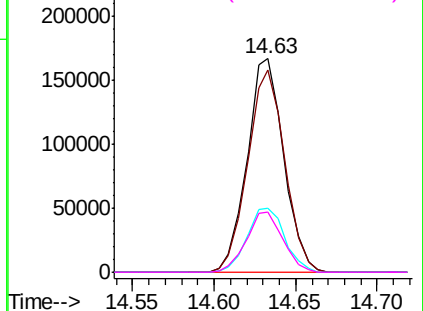
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

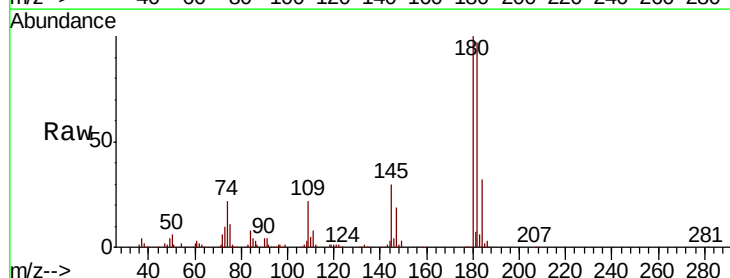
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.859 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW017052.D
 Acq: 03 Nov 2020 10:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.6	114.8
145	29.6	23.4	35.0

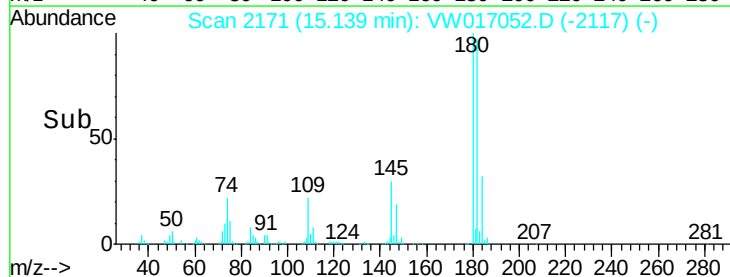
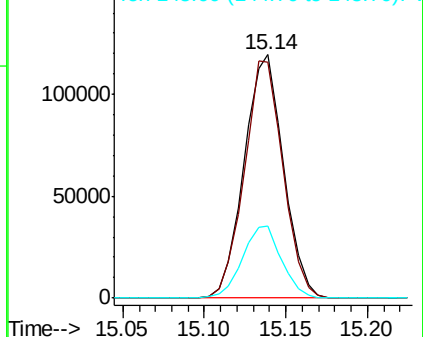


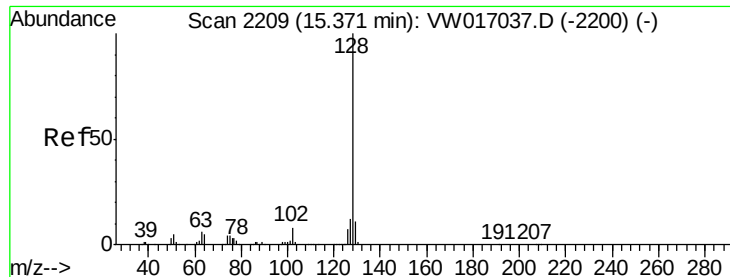
Abundance

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: 22.309 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

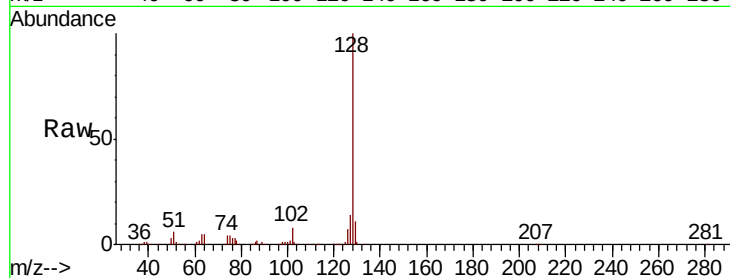
Tot Ion:128 Resp: 291122

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

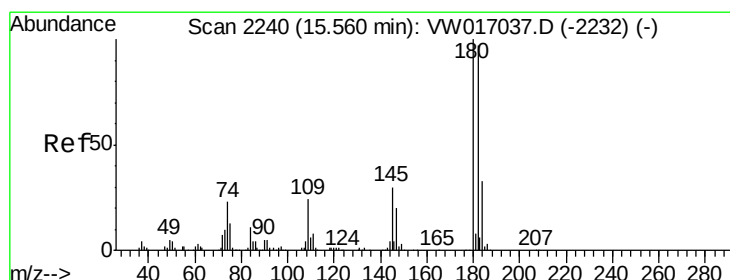
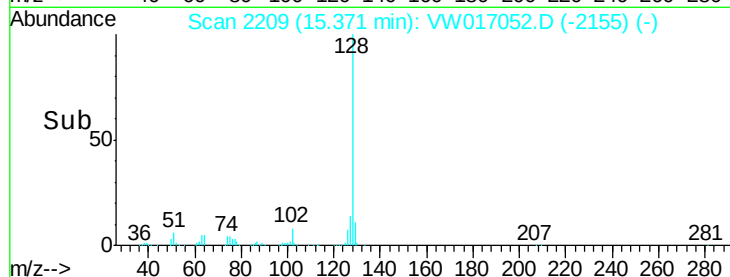
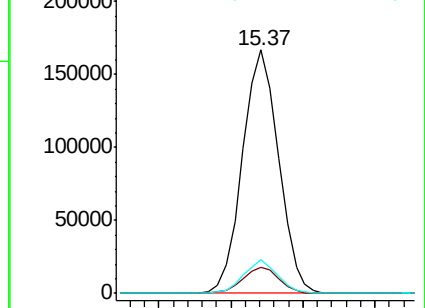
127 12.6 10.0 15.0



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: 25.086 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW017052.D

Acq: 03 Nov 2020 10:40

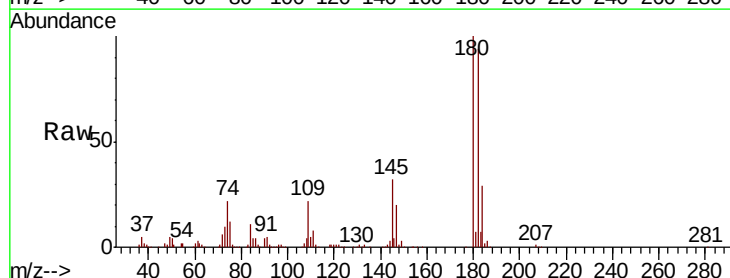
Tgt Ion:180 Resp: 175871

Ion Ratio Lower Upper

180 100

182 91.2 76.8 115.2

145 30.2 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

