

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110420\
 Data File : VW017077.D
 Acq On : 04 Nov 2020 15:18
 Operator : SY/VA
 Sample : VSTD05001
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05001

Quant Time: Nov 04 15:56:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 15:48:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	527555	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	485110	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	254240	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	343777	52.64	ug/L	0.00
7) Chloroethane-d5	2.89	69	260283	51.83	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	591596	48.23	ug/L	0.00
20) 2-Butanone-d5	7.08	46	147248	115.80	ug/L	0.00
24) Chloroform-d	7.65	84	609555	48.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	299288	49.23	ug/L	0.00
29) Benzene-d6	8.27	84	1219606	46.79	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	340866	48.23	ug/L	0.00
37) Toluene-d8	10.32	98	1141522	46.64	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	160696	52.92	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	127492	121.93	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	296757	53.44	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	429041	45.85	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	260118	44.302	ug/L 100
3) Chloromethane	2.21	50	231565	45.103	ug/L 99
5) Vinyl chloride	2.37	62	340354	45.230	ug/L 99
6) Bromomethane	2.78	94	230873	45.036	ug/L 99
8) Chloroethane	2.93	64	206752	47.421	ug/L 99
9) Trichlorofluoromethane	3.26	101	283526	47.224	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	335527	46.538	ug/L 99
12) 1,1-Dichloroethene	4.04	96	317085	46.077	ug/L 93
13) Acetone	4.12	43	97196	115.686	ug/L 98
14) Carbon disulfide	4.39	76	857767	42.003	ug/L 99
15) Methyl Acetate	4.67	43	122303	56.408	ug/L 99
16) Methylene chloride	4.92	84	309908	43.965	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	393251	50.733	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	327910	45.735	ug/L 99
19) 1,1-Dichloroethane	6.22	63	522926	47.136	ug/L 99
21) 2-Butanone	7.17	43	156852	113.070	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	352399	48.035	ug/L 97
23) Bromochloromethane	7.52	128	171680	49.951	ug/L 94
25) Chloroform	7.68	83	565954	47.620	ug/L 100
27) 1,2-Dichloroethane	8.40	62	339767	49.358	ug/L 99
30) Cyclohexane	7.96	56	454417	45.481	ug/L 99
31) 1,1,1-Trichloroethane	7.88	97	489753	46.721	ug/L 100
32) Carbon tetrachloride	8.07	117	475370	47.108	ug/L 98
34) Benzene	8.32	78	1231539	45.880	ug/L 100
35) Trichloroethene	9.09	95	340899	46.038	ug/L 99
36) Methylcyclohexane	9.34	83	562424	45.685	ug/L 99
40) 1,2-Dichloropropane	9.37	63	290110	47.912	ug/L 100
41) Bromodichloromethane	9.65	83	410612	49.675	ug/L 99
42) cis-1,3-Dichloropropene	10.07	75	488154	51.416	ug/L 99
43) 4-Methyl-2-pentanone	10.21	43	346026	113.813	ug/L 99

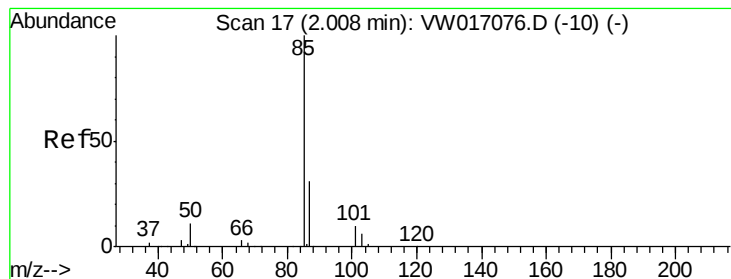
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110420\
 Data File : VW017077.D
 Acq On : 04 Nov 2020 15:18
 Operator : SY/VA
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Quant Time: Nov 04 15:56:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 15:48:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1370873	47.113	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	422749	53.119	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	247607	50.135	ug/L	96
47) Tetrachloroethene	10.87	164	298732	44.038	ug/L	93
49) 2-Hexanone	10.97	43	235967	121.923	ug/L	99
50) Dibromochloromethane	11.13	129	318726	53.071	ug/L	96
51) 1,2-Dibromoethane	11.24	107	249926	52.576	ug/L	98
52) Chlorobenzene	11.66	112	917230	46.948	ug/L	99
53) Ethylbenzene	11.73	91	1548722	47.539	ug/L	99
54) m,p-Xylene	11.84	106	616384	48.133	ug/L	97
55) o-xylene	12.16	106	584539	48.660	ug/L	99
56) Styrene	12.18	104	1011179	50.395	ug/L	99
57) Isopropylbenzene	12.46	105	1607120	48.843	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	297666	54.798	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	212273	54.559	ug/L	98
62) Bromoform	12.35	173	197705	53.065	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	763504	46.213	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	753181	45.624	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	685760	46.461	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	47549	56.320	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	577537	47.638	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	470701	49.706	ug/L	97
69) Naphthalene	15.36	128	956404	59.599	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	441002	52.692	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 44.302 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampleId :

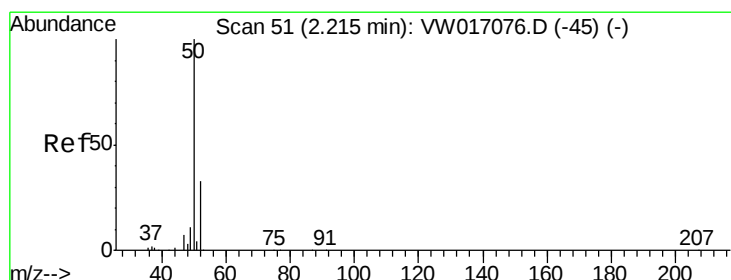
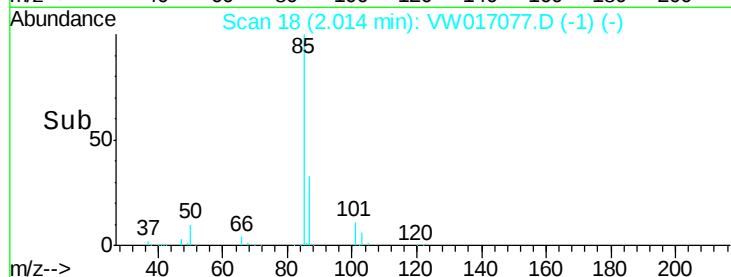
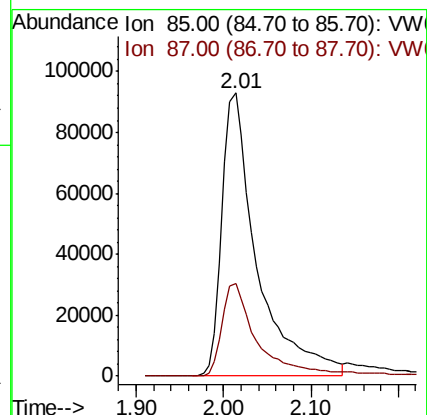
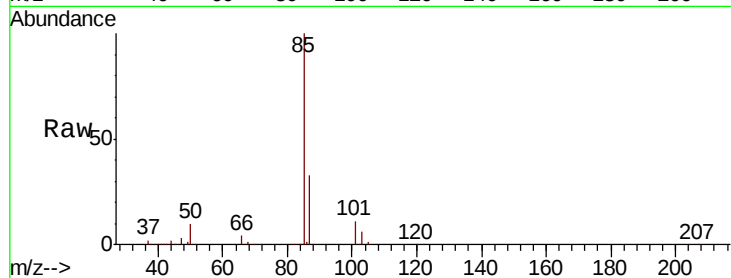
VSTD05001

Tot Ion: 85 Resp: 260118

Ion Ratio Lower Upper

85 100

87 30.8 21.5 39.9



#3

Chloromethane

Concen: 45.103 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017077.D

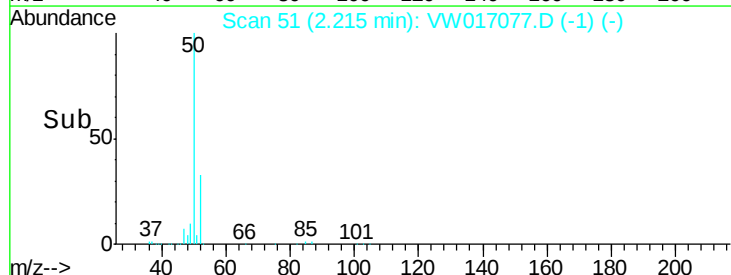
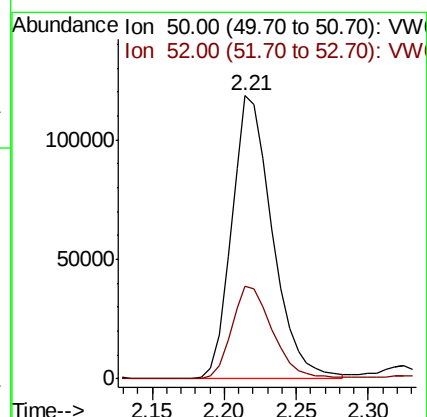
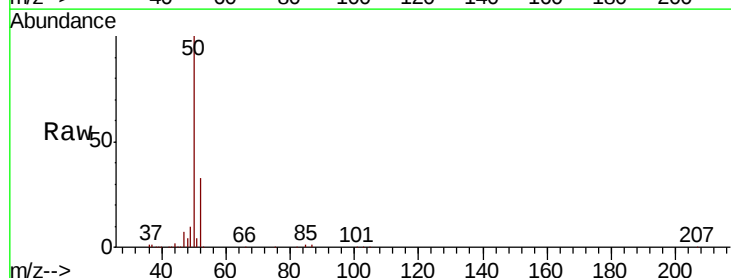
Acq: 04 Nov 2020 15:18

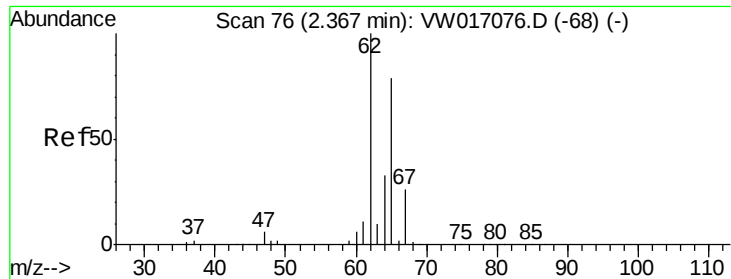
Tgt Ion: 50 Resp: 231565

Ion Ratio Lower Upper

50 100

52 32.6 23.1 42.9





#5

Vinyl chloride

Concen: 45.230 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampleId :

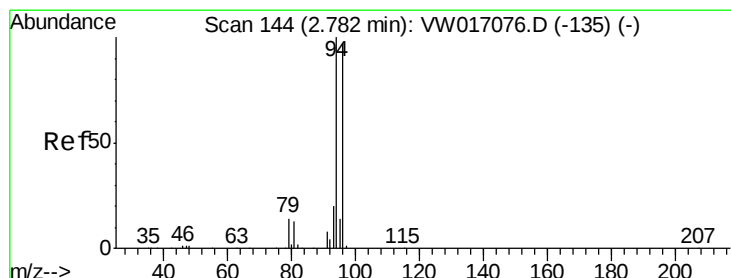
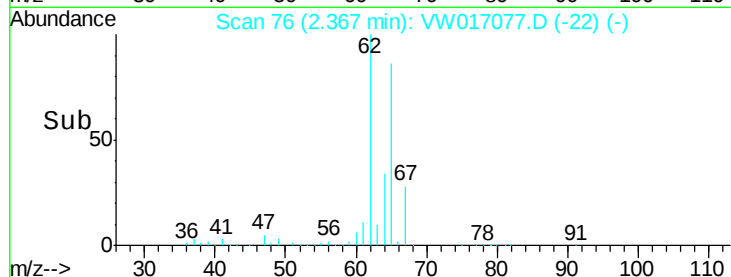
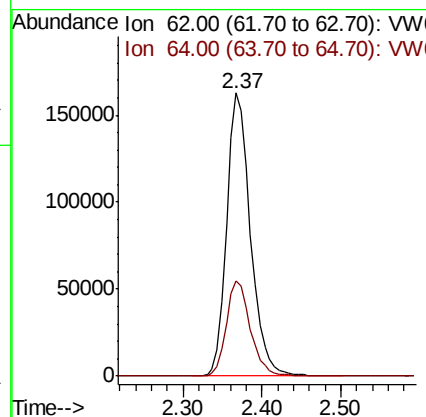
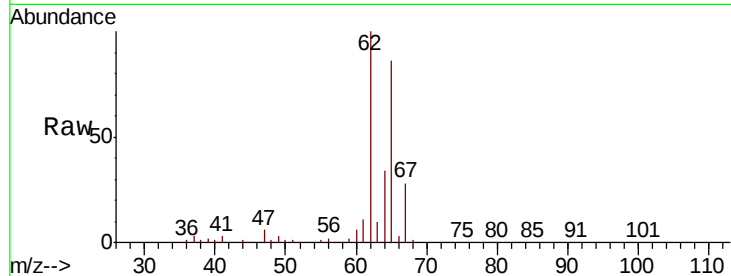
VSTD05001

Tot Ion: 62 Resp: 340354

Ion Ratio Lower Upper

62 100

64 33.7 23.3 43.3



#6

Bromomethane

Concen: 45.036 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW017077.D

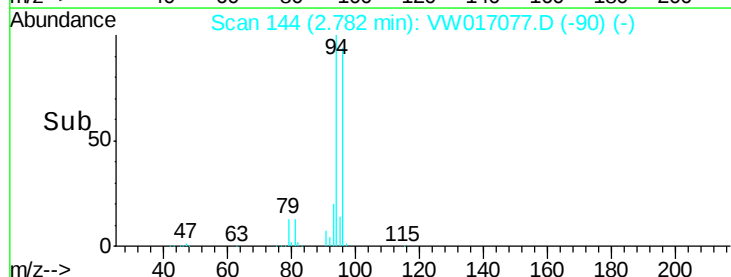
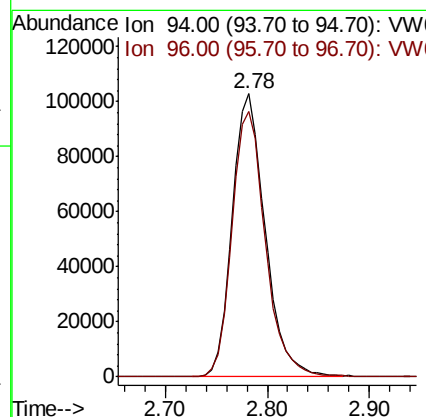
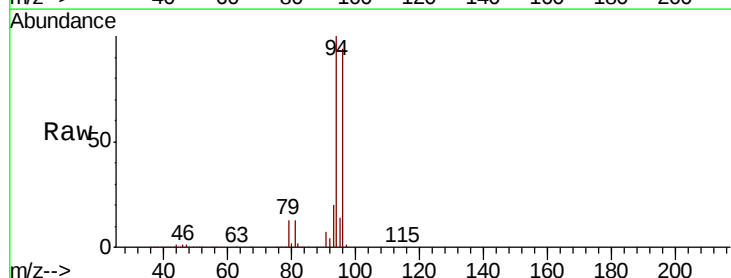
Acq: 04 Nov 2020 15:18

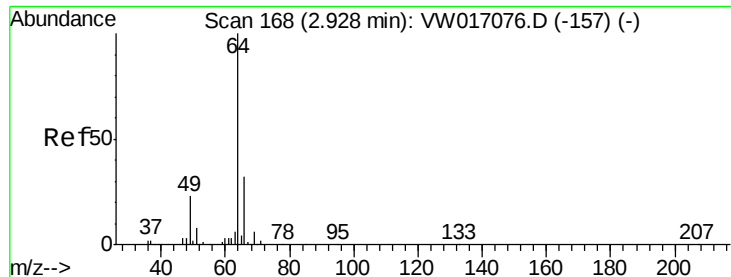
Tgt Ion: 94 Resp: 230873

Ion Ratio Lower Upper

94 100

96 94.5 9.6 181.8





#8

Chloroethane

Concen: 47.421 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampleId :

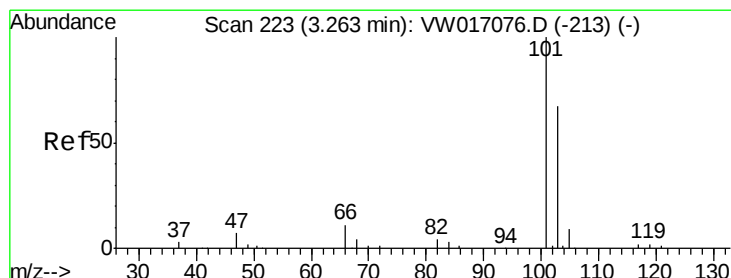
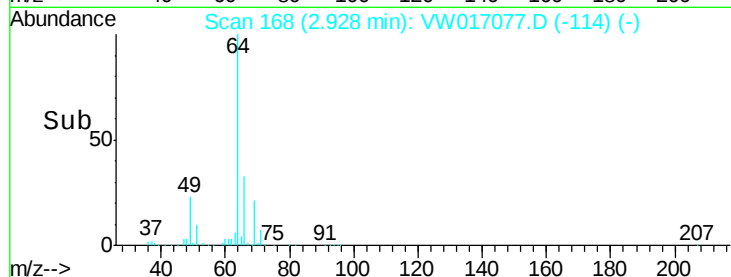
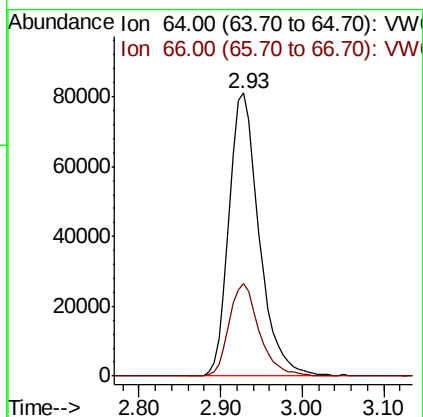
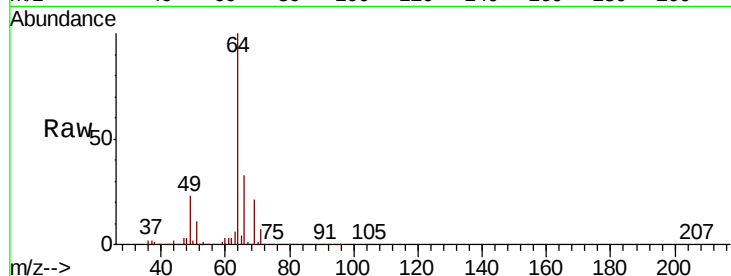
VSTD05001

Tot Ion: 64 Resp: 206752

Ion Ratio Lower Upper

64 100

66 32.6 22.3 41.5



#9

Trichlorofluoromethane

Concen: 47.224 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW017077.D

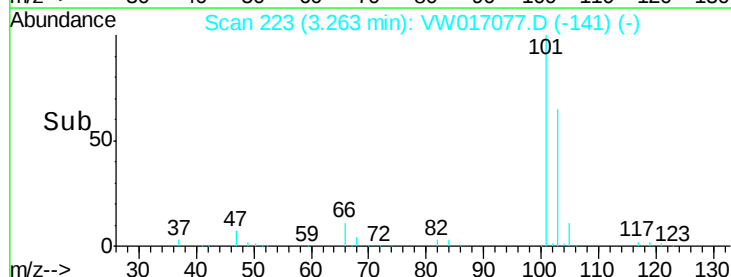
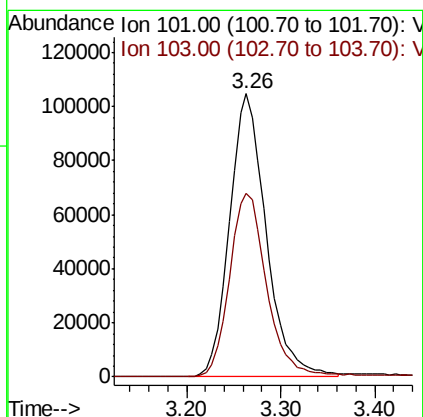
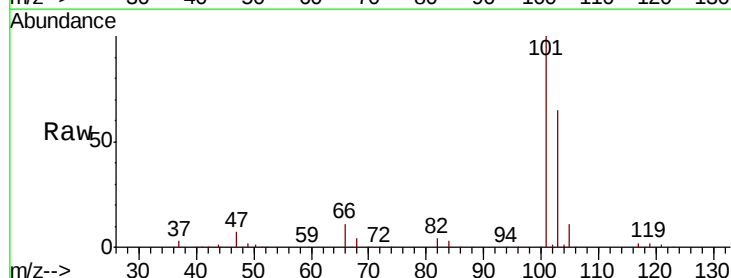
Acq: 04 Nov 2020 15:18

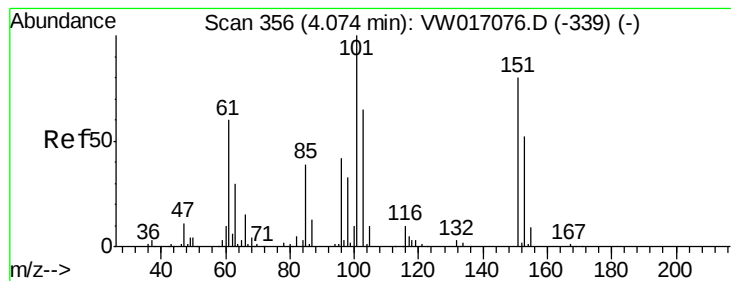
Tgt Ion: 101 Resp: 283526

Ion Ratio Lower Upper

101 100

103 65.7 45.4 84.2





#11

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

Concen: 46.538 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampled :

VSTD05001

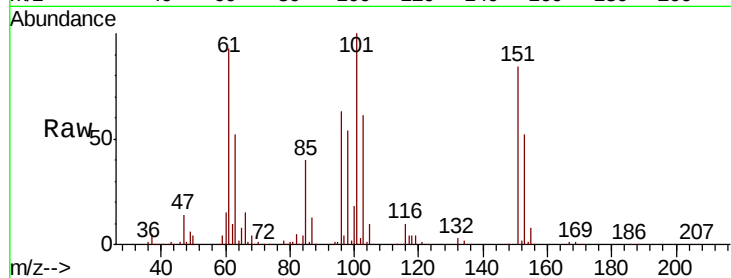
Tot Ion:101 Resp: 335527

Ion Ratio Lower Upper

101 100

85 40.7 32.8 49.2

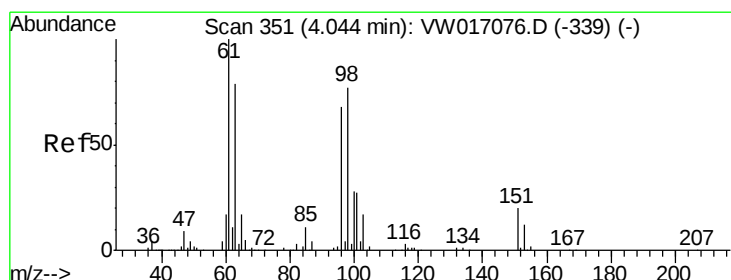
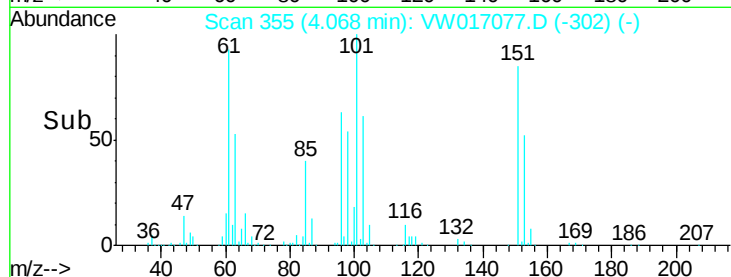
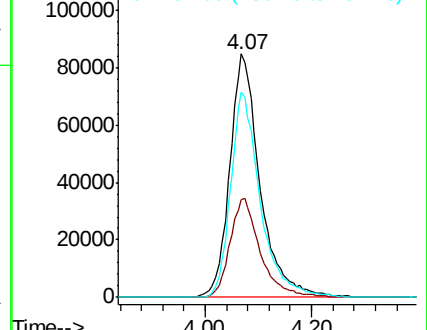
151 82.3 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.077 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

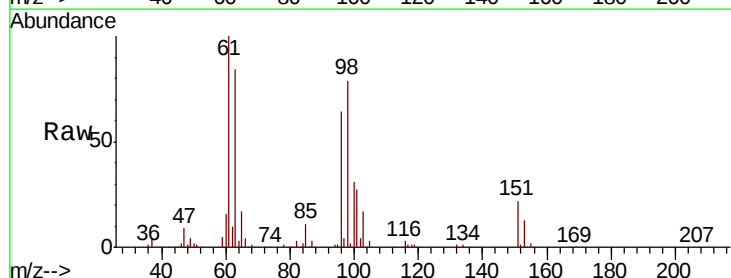
Tgt Ion: 96 Resp: 317085

Ion Ratio Lower Upper

96 100

61 155.4 103.8 192.8

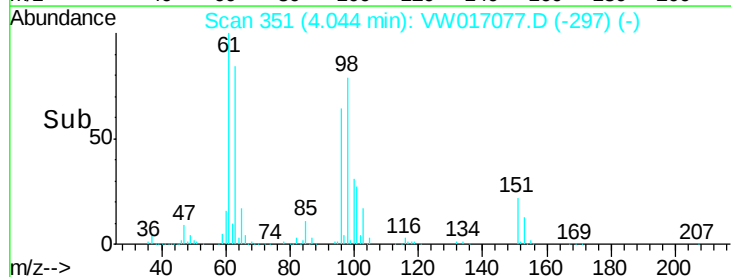
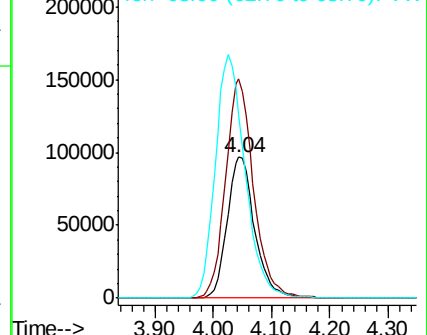
63 130.7 84.4 156.7

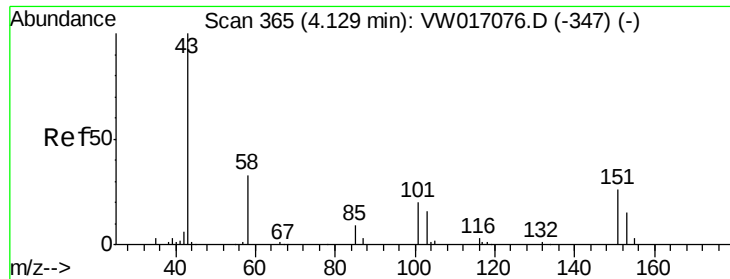


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 115.686 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampleId :

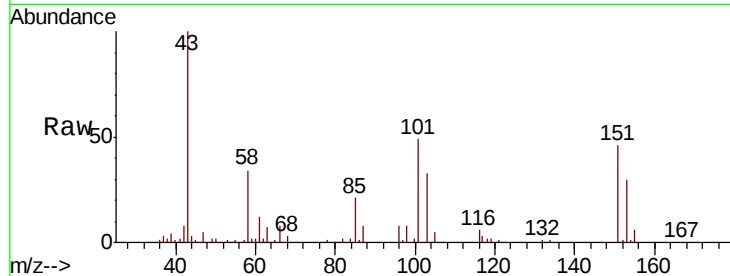
VSTD05001

Tot Ion: 43 Resp: 97196

Ion Ratio Lower Upper

43 100

58 33.4 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

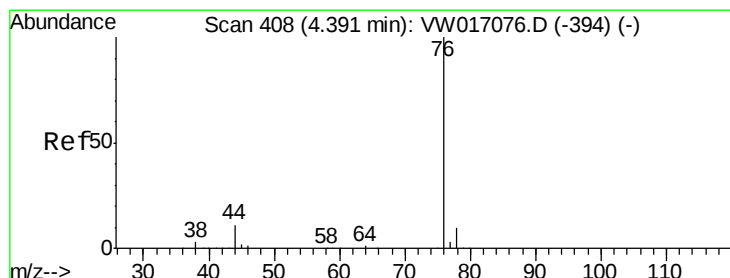
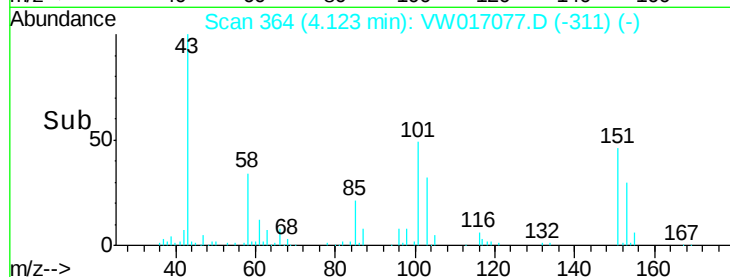
30000

20000

10000

0

Time--> 3.90 4.00 4.10 4.20 4.30



#14

Carbon disulfide

Concen: 42.003 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017077.D

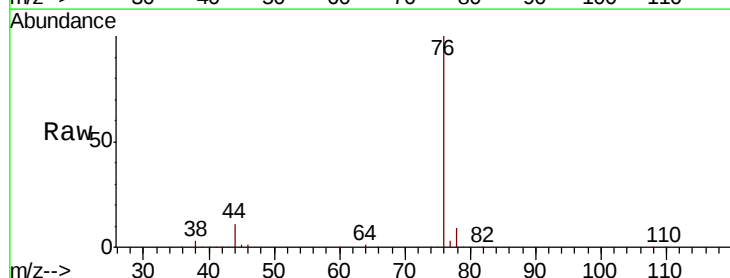
Acq: 04 Nov 2020 15:18

Tgt Ion: 76 Resp: 857767

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

300000

250000

200000

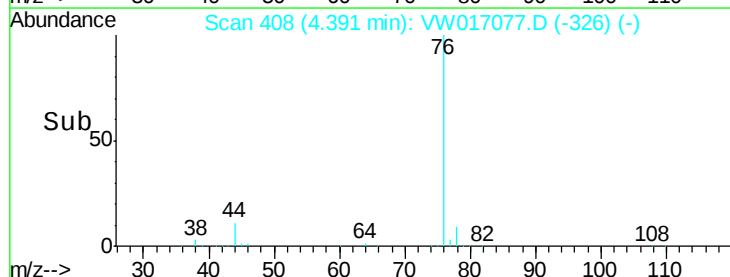
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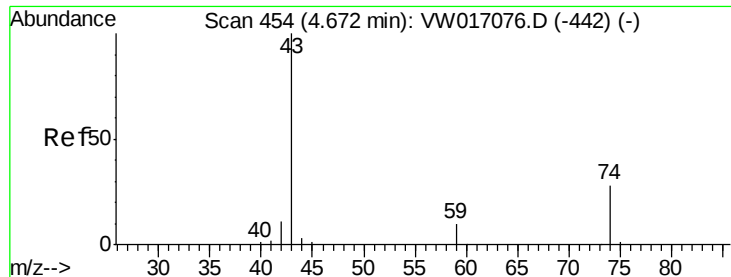
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50000

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Time--> 4.20 4.30 4.40 4.50

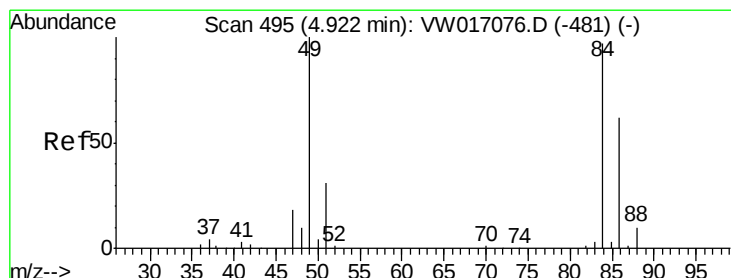
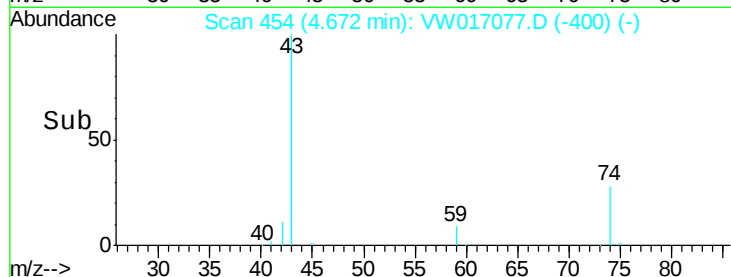
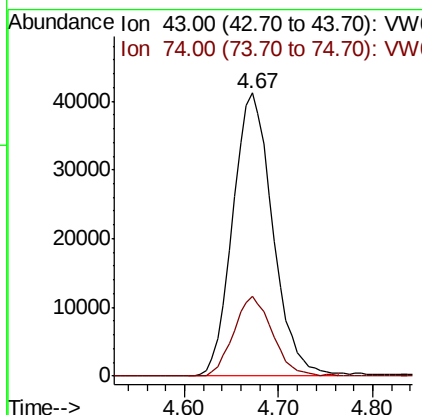
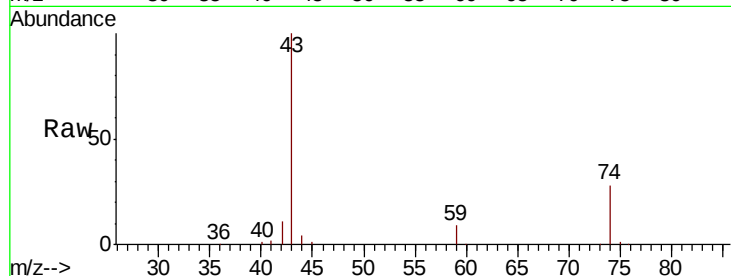




#15
Methvl Acetate
Concen: 56.408 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW017077.D
Acq: 04 Nov 2020 15:18

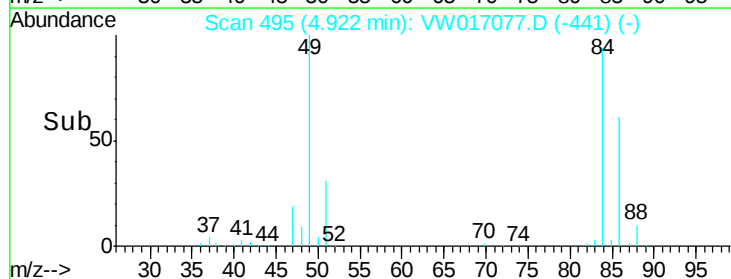
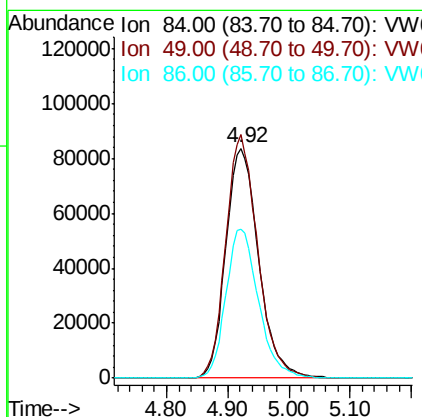
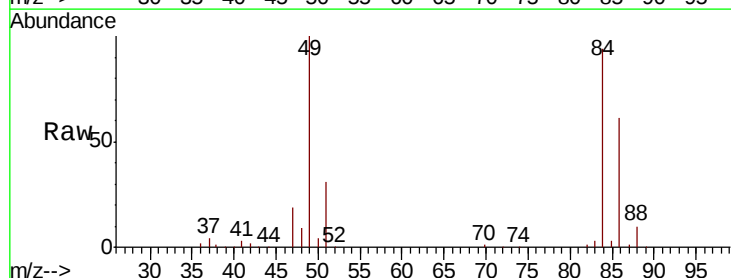
Instrument :
MSVOA_W
ClientSampleId :
VSTD05001

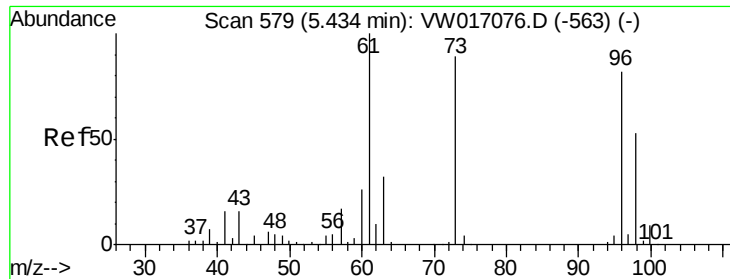
Tot Ion: 43 Resp: 122303
Ion Ratio Lower Upper
43 100
74 27.3 21.5 32.3



#16
Methylene chloride
Concen: 43.965 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017077.D
Acq: 04 Nov 2020 15:18

Tgt Ion: 84 Resp: 309908
Ion Ratio Lower Upper
84 100
49 105.9 72.3 134.3
86 64.6 45.1 83.7

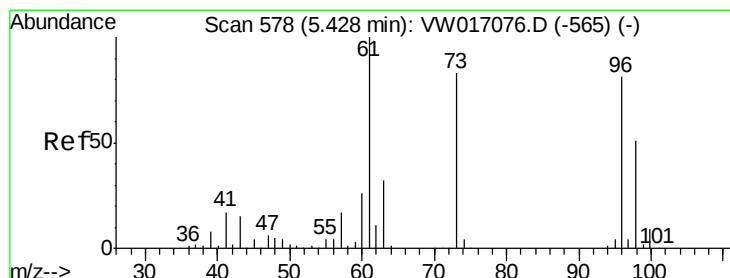
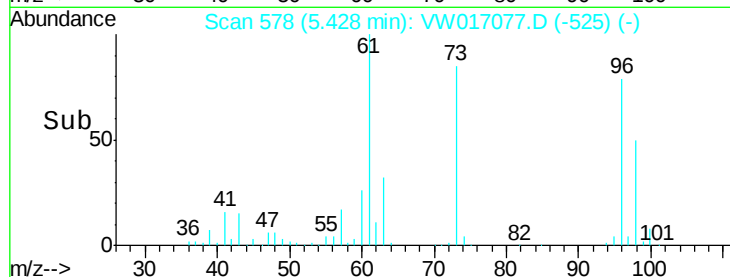
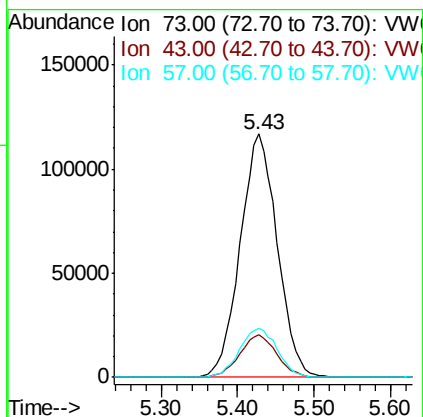
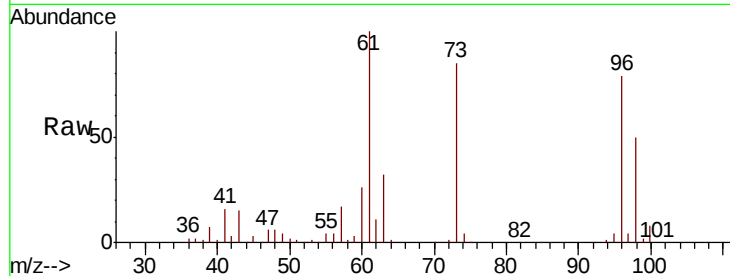




#17
Methvl tert-butvl Ether
Concen: 50.733 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW017077.D
Acq: 04 Nov 2020 15:18

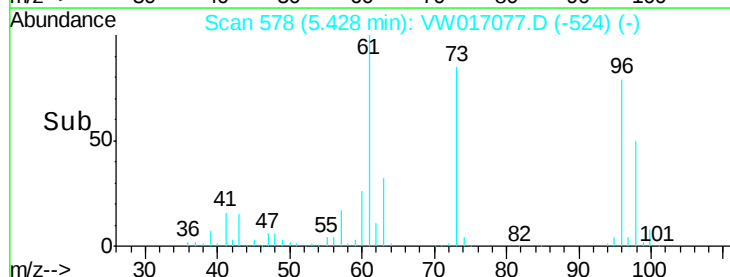
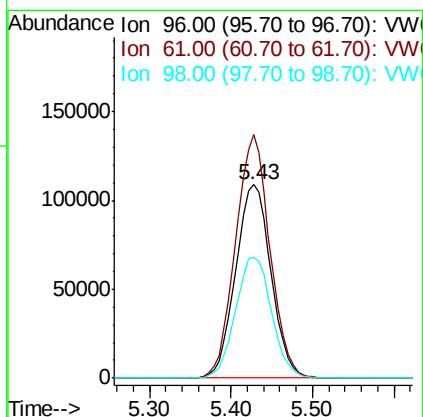
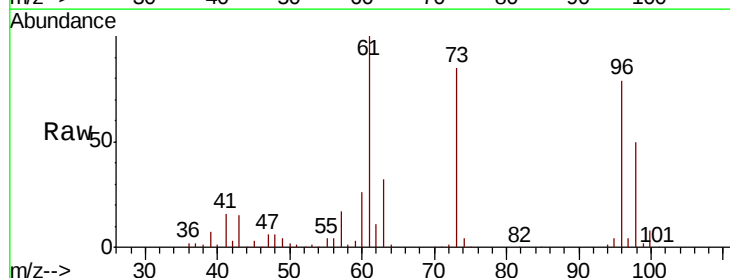
Instrument :
MSVOA_W
ClientSampled :
VSTD05001

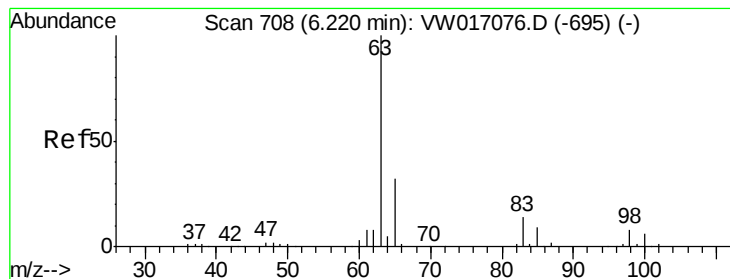
Tot Ion: 73 Resp: 393251
Ion Ratio Lower Upper
73 100
43 17.6 14.5 21.7
57 20.7 16.3 24.5



#18
trans-1,2-Dichloroethene
Concen: 45.735 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017077.D
Acq: 04 Nov 2020 15:18

Tgt Ion: 96 Resp: 327910
Ion Ratio Lower Upper
96 100
61 125.8 86.8 161.2
98 62.7 44.4 82.4





#19

1,1-Dichloroethane

Concen: 47.136 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

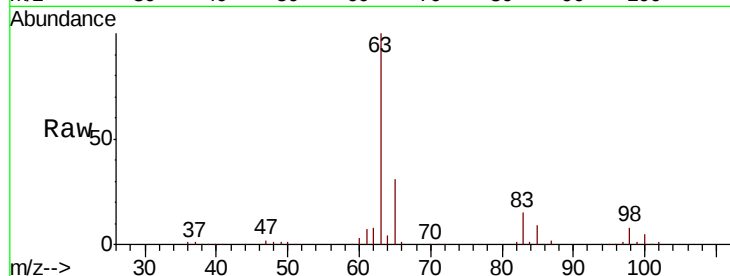
Tot Ion: 63 Resp: 522926

Ion Ratio Lower Upper

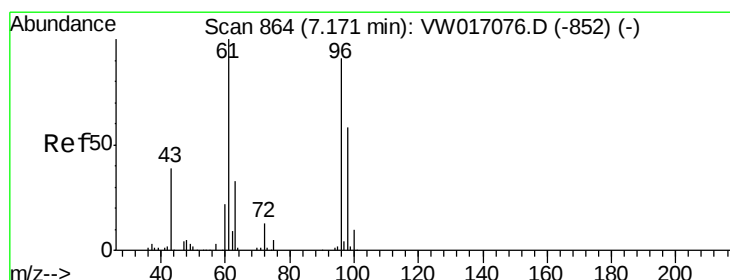
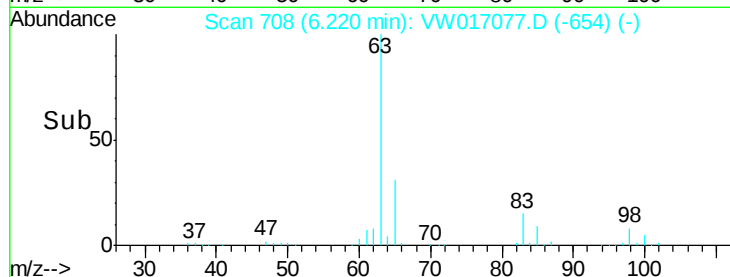
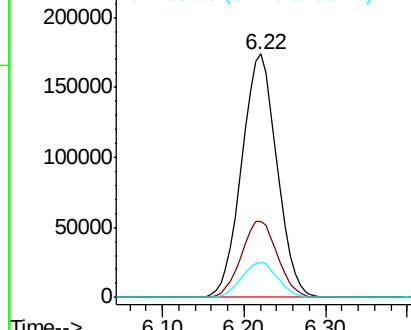
63 100

65 31.3 22.1 41.1

83 14.6 10.0 18.6



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



#21

2-Butanone

Concen: 113.070 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW017077.D

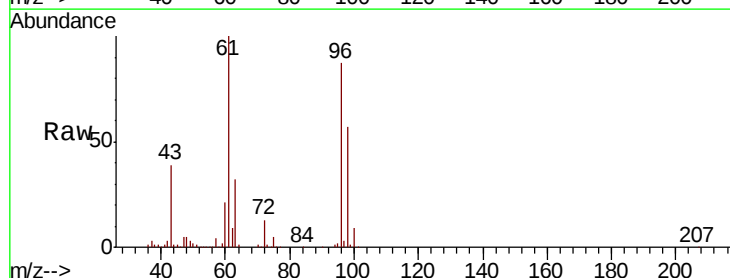
Acq: 04 Nov 2020 15:18

Tgt Ion: 43 Resp: 156852

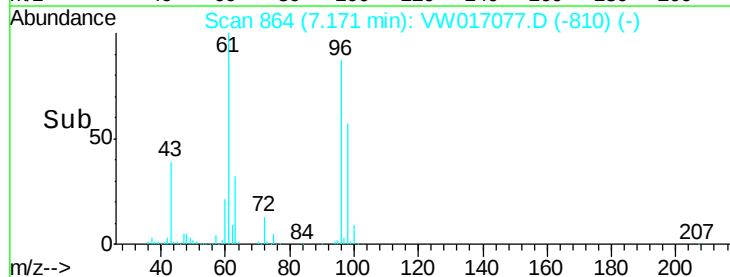
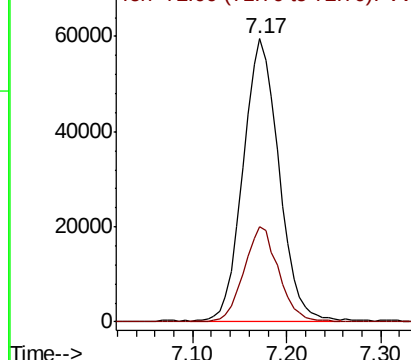
Ion Ratio Lower Upper

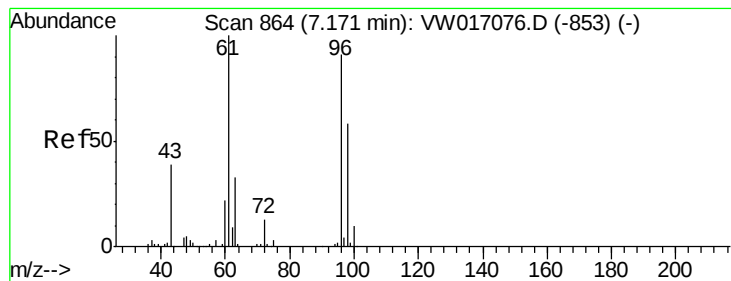
43 100

72 32.9 16.1 48.3



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



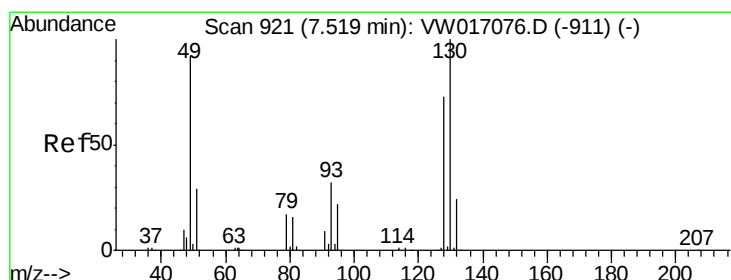
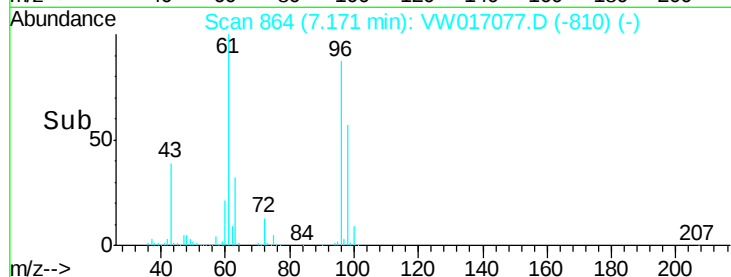
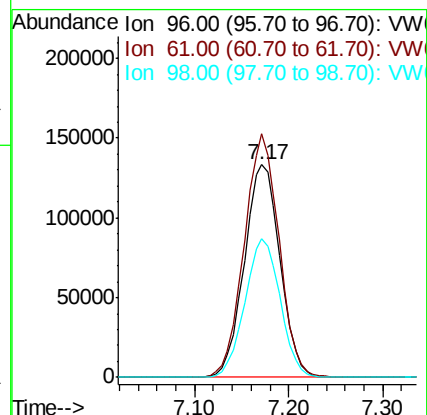
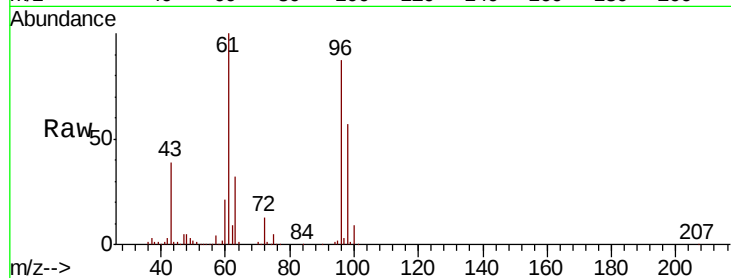


#22

cis-1,2-Dichloroethene
Concen: 48.035 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017077.D
Acq: 04 Nov 2020 15:18

Instrument :
MSVOA_W
ClientSampleId :
VSTD05001

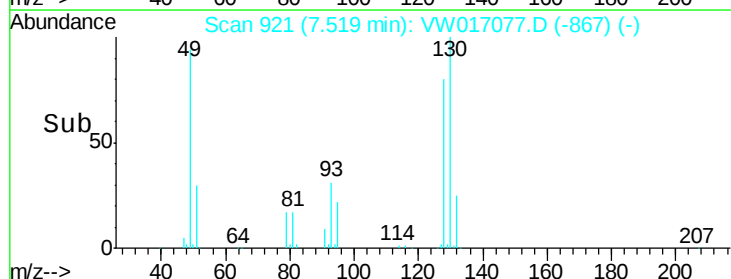
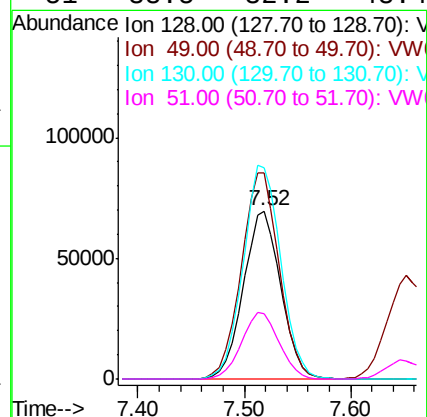
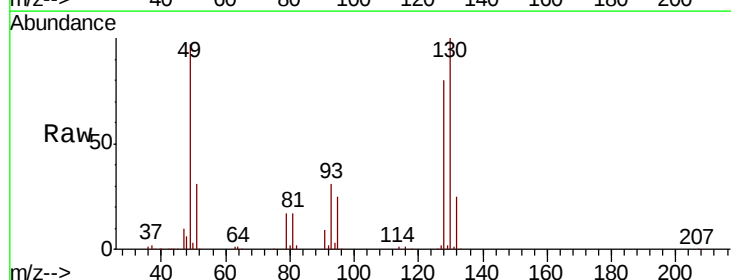
Tot Ion: 96 Resp: 352399
Ion Ratio Lower Upper
96 100
61 114.5 77.4 143.8
98 65.0 45.1 83.7

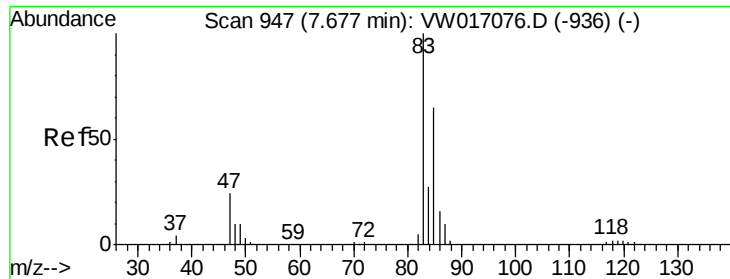


#23

Bromochloromethane
Concen: 49.951 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW017077.D
Acq: 04 Nov 2020 15:18

Tgt Ion: 128 Resp: 171680
Ion Ratio Lower Upper
128 100
49 122.1 88.3 163.9
130 125.7 95.6 177.6
51 38.5 32.2 48.4

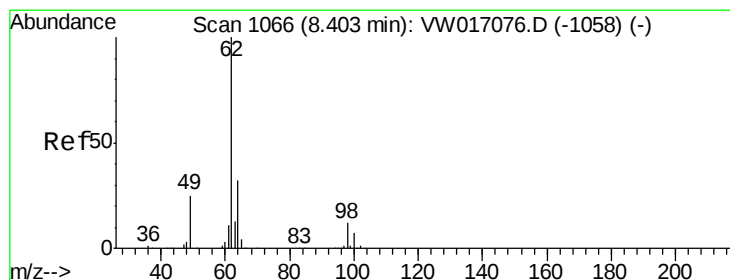
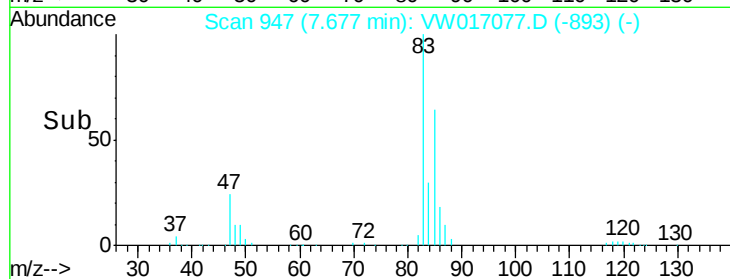
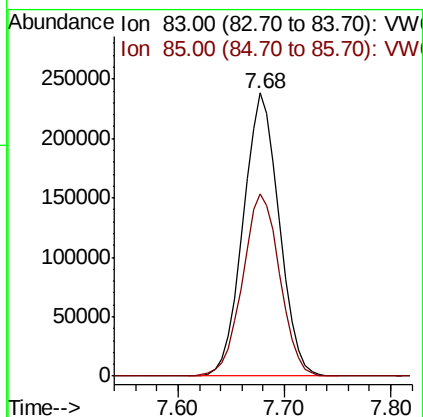
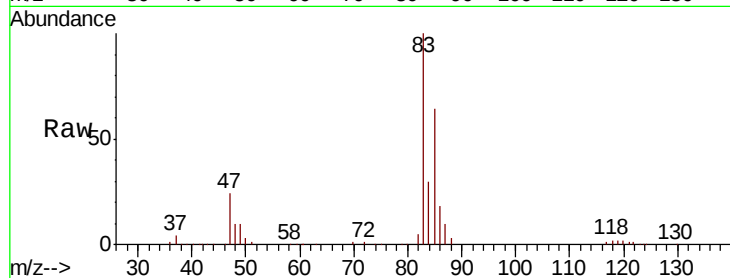




#25
Chloroform
Concen: 47.620 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017077.D
Acq: 04 Nov 2020 15:18

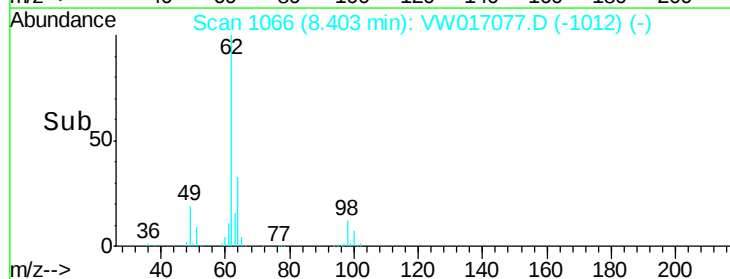
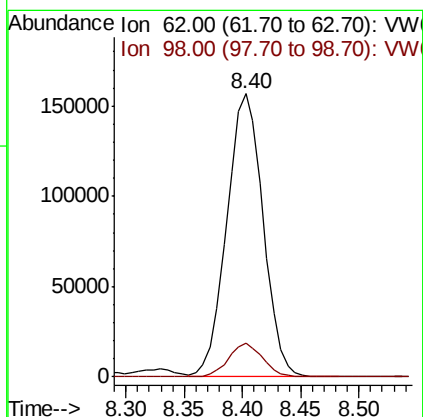
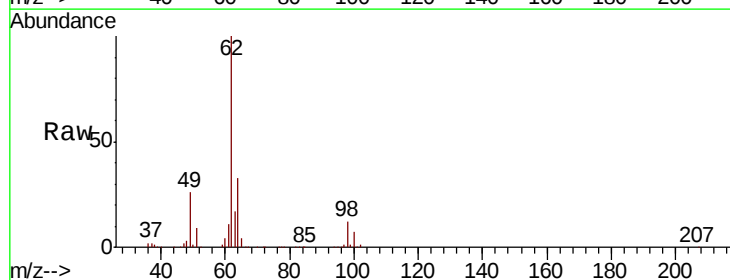
Instrument :
MSVOA_W
ClientSampled :
VSTD05001

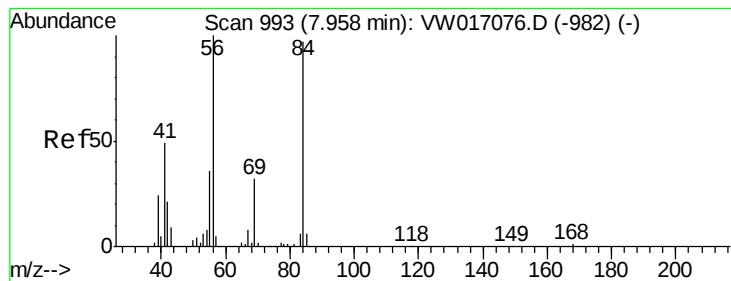
Tot Ion: 83 Resp: 565954
Ion Ratio Lower Upper
83 100
85 66.5 46.4 86.2



#27
1,2-Dichloroethane
Concen: 49.358 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017077.D
Acq: 04 Nov 2020 15:18

Tgt Ion: 62 Resp: 339767
Ion Ratio Lower Upper
62 100
98 12.2 9.4 14.0





#30

Cyclohexane

Concen: 45.481 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampled :

VSTD05001

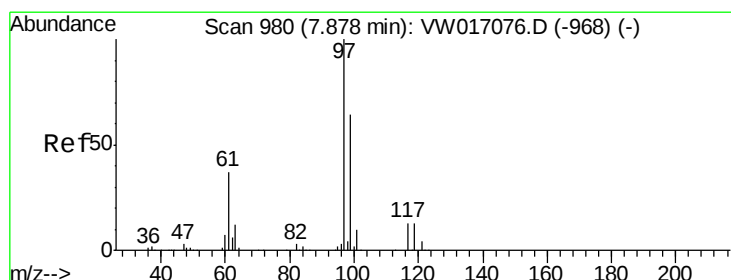
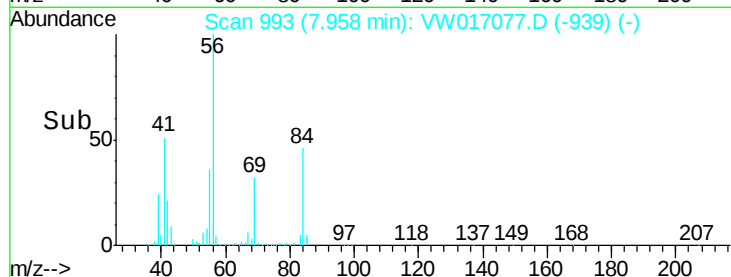
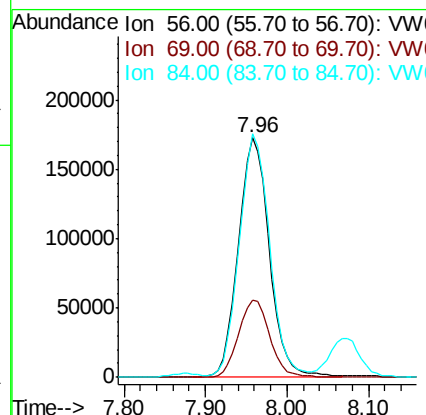
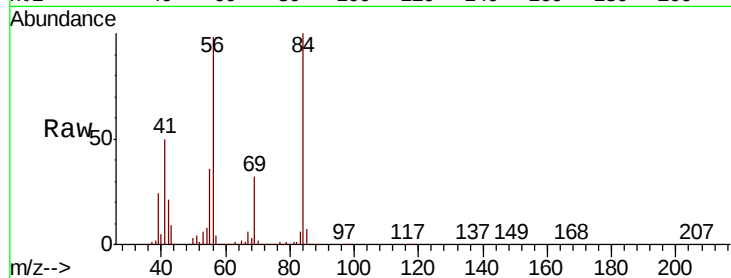
Tot Ion: 56 Resp: 454417

Ion Ratio Lower Upper

56 100

69 32.5 26.1 39.1

84 99.6 79.1 118.7



#31

1,1,1-Trichloroethane

Concen: 46.721 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

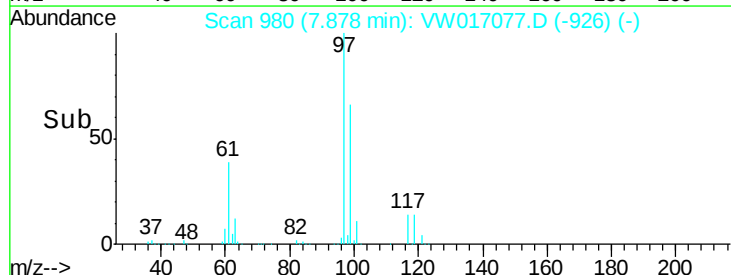
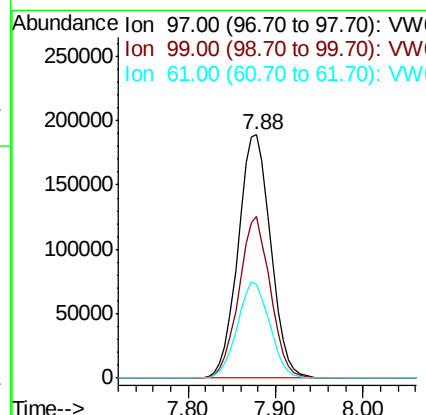
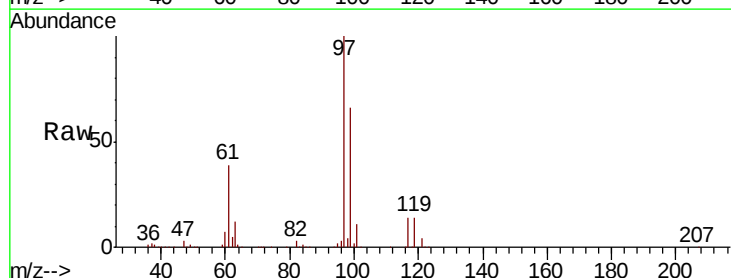
Tgt Ion: 97 Resp: 489753

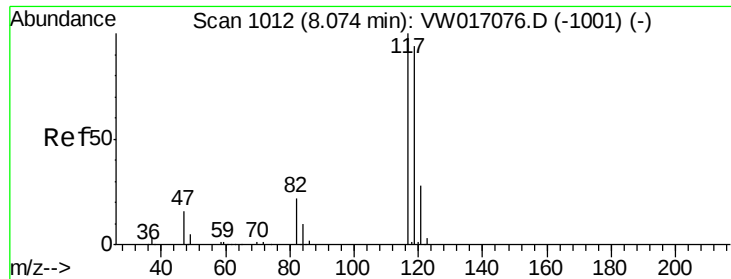
Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

61 39.2 31.6 47.4

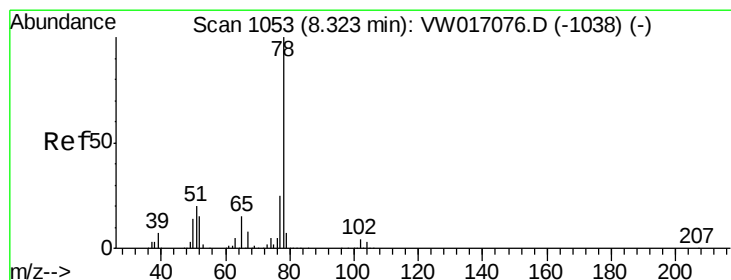
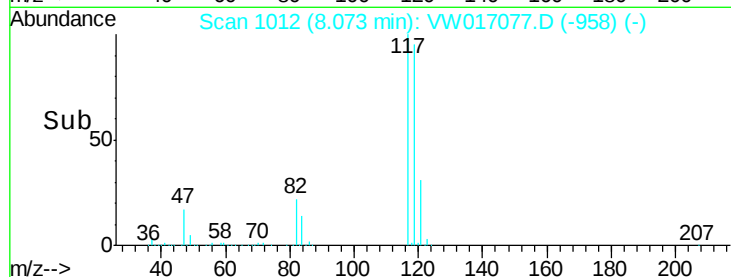
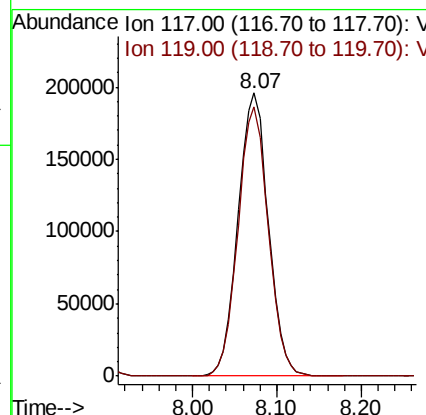
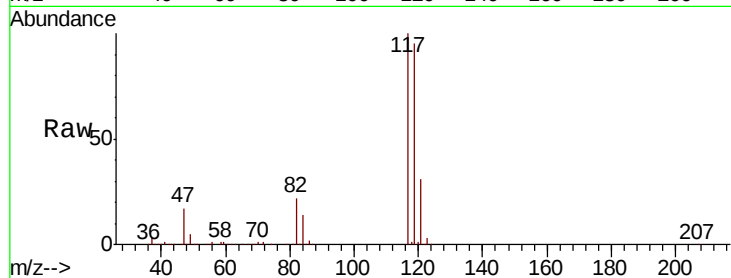




#32
Carbon tetrachloride
Concen: 47.108 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW017077.D
Acq: 04 Nov 2020 15:18

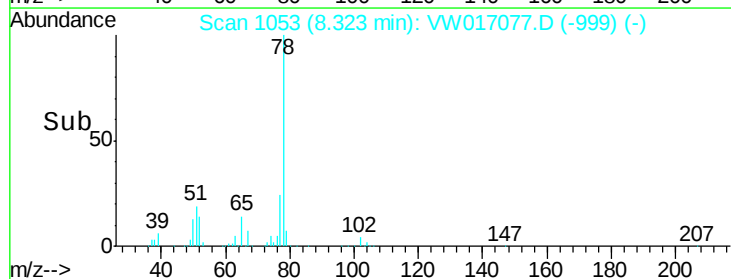
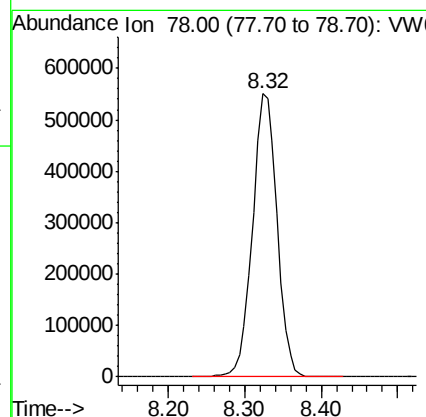
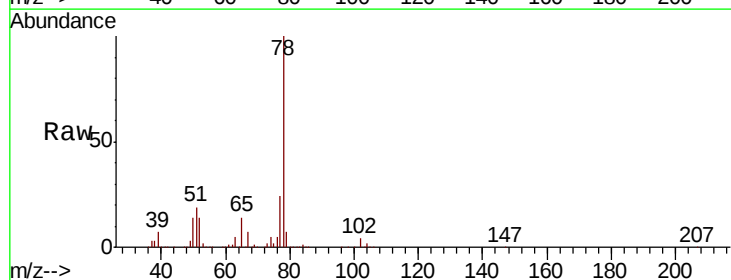
Instrument :
MSVOA_W
ClientSampleId :
VSTD05001

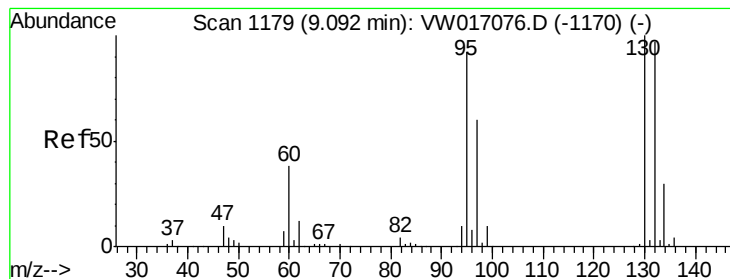
Tot Ion:117 Resp: 475370
Ion Ratio Lower Upper
117 100
119 95.1 77.7 116.5



#34
Benzene
Concen: 45.880 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW017077.D
Acq: 04 Nov 2020 15:18

Tgt Ion: 78 Resp: 1231539





#35

Trichloroethene

Concen: 46.038 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

Tot Ion: 95 Resp: 340899

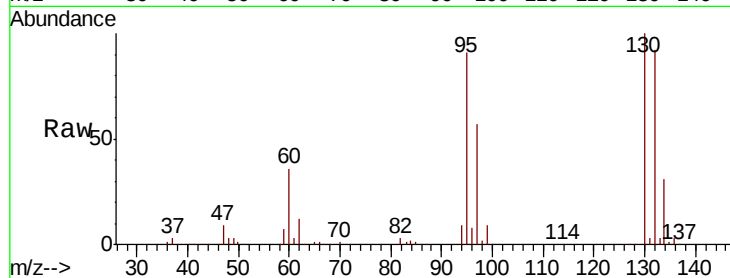
Ion Ratio Lower Upper

95 100

97 63.4 45.0 83.6

132 104.7 73.7 136.9

130 110.5 77.1 143.1

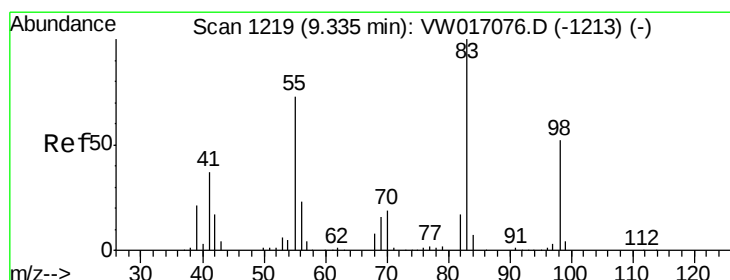
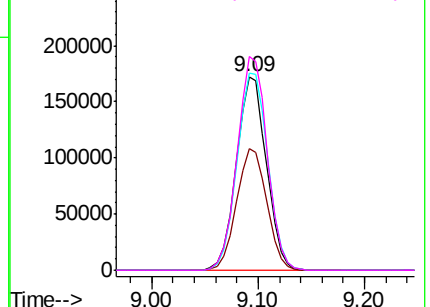
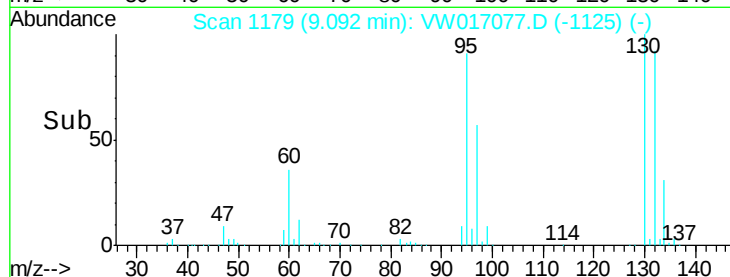


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 45.685 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

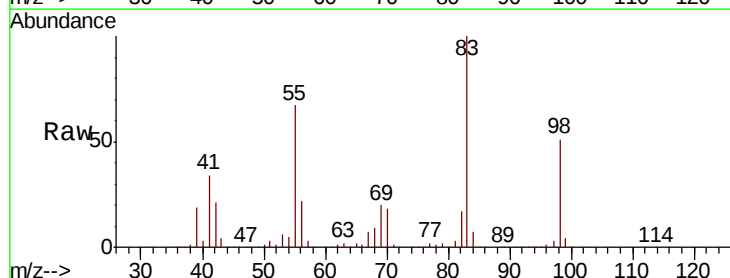
Tgt Ion: 83 Resp: 562424

Ion Ratio Lower Upper

83 100

55 67.4 54.4 81.6

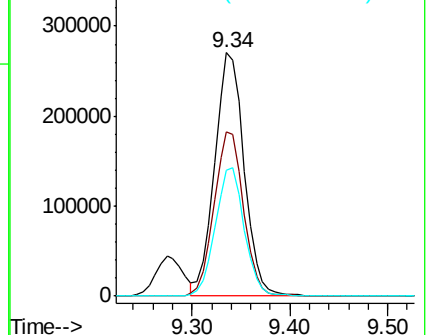
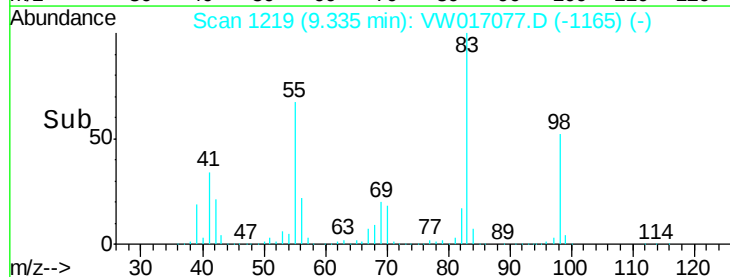
98 52.2 40.5 60.7

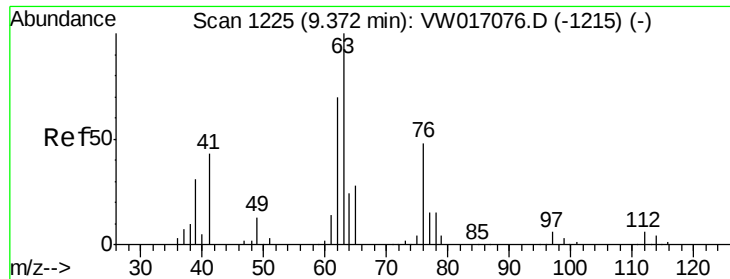


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

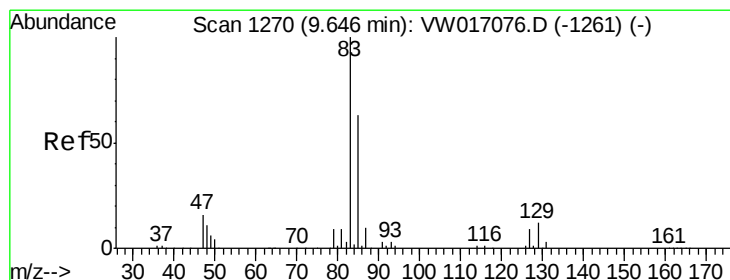
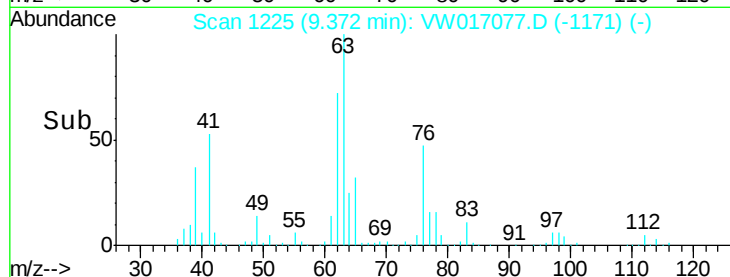
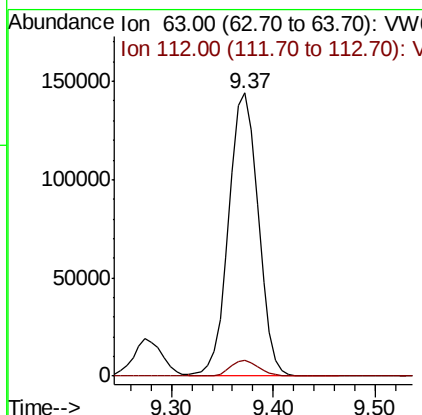
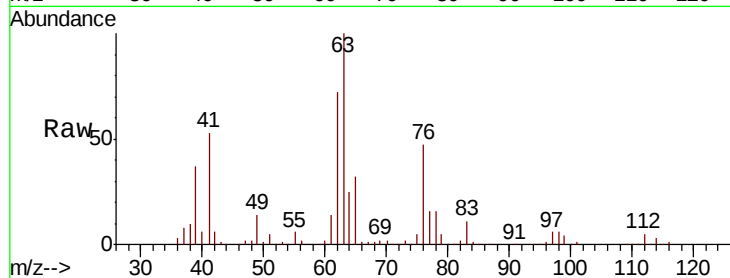




#40
 1,2-Dichloropropane
 Concen: 47.912 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017077.D
 Acq: 04 Nov 2020 15:18

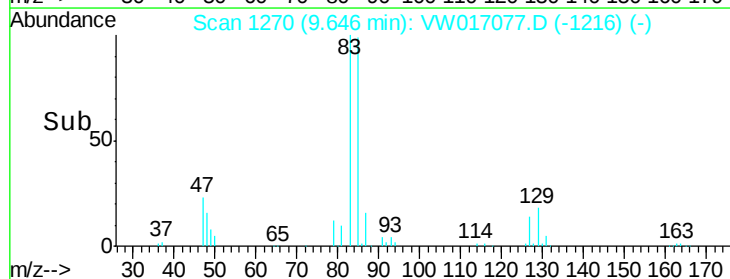
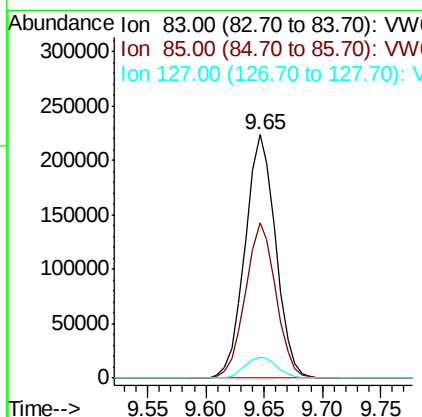
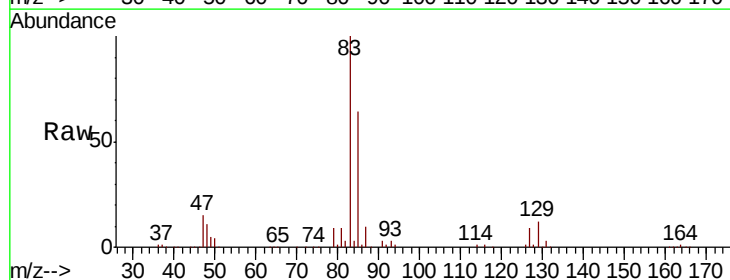
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05001

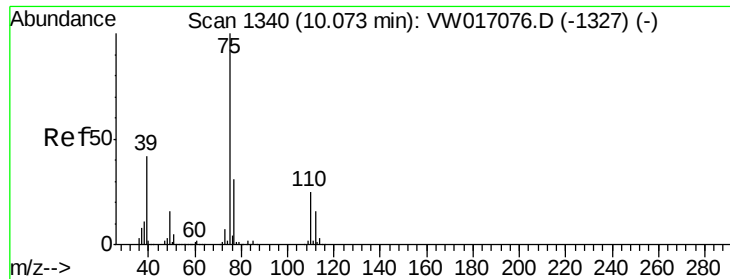
Tot Ion: 63 Resp: 290110
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.2 6.2



#41
 Bromodichloromethane
 Concen: 49.675 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017077.D
 Acq: 04 Nov 2020 15:18

Tgt Ion: 83 Resp: 410612
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.4 82.4
 127 8.8 7.3 10.9





#42

cis-1,3-Dichloropropene

Concen: 51.416 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampled :

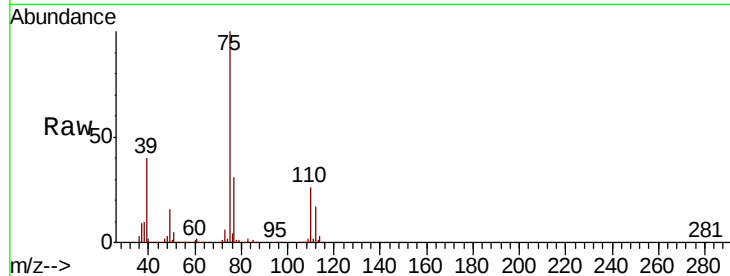
VSTD05001

Tot Ion: 75 Resp: 488154

Ion Ratio Lower Upper

75 100

77 30.7 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

250000

200000

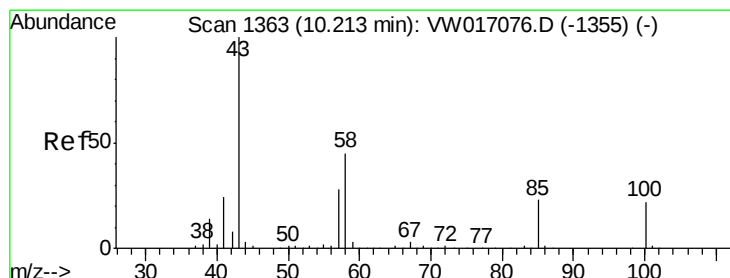
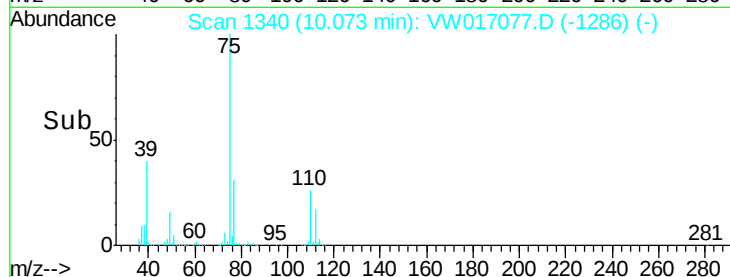
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 113.813 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

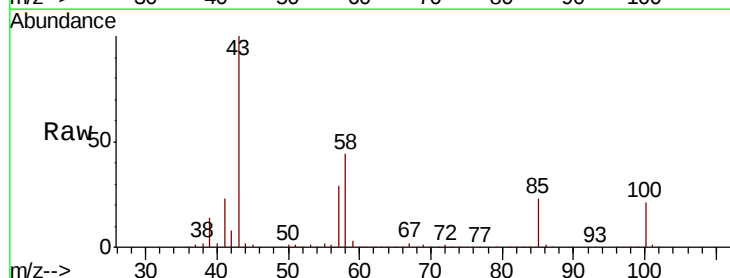
Tgt Ion: 43 Resp: 346026

Ion Ratio Lower Upper

43 100

58 44.0 35.0 52.6

100 21.5 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

500000

400000

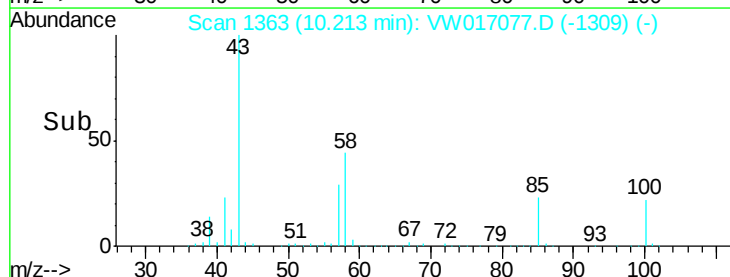
300000

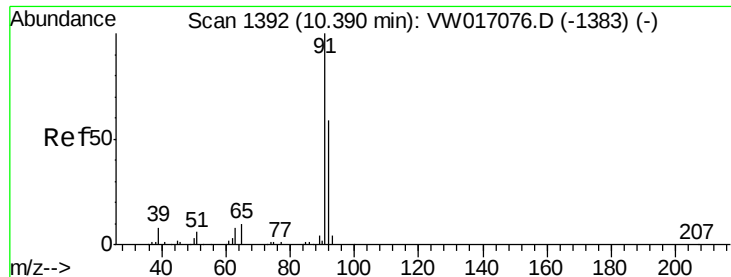
200000

100000

0

Time-->





#44

Toluene

Concen: 47.113 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampleId :

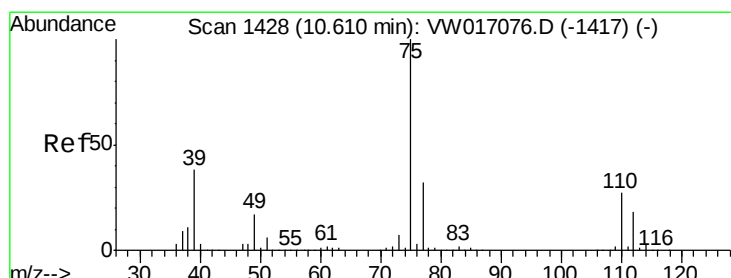
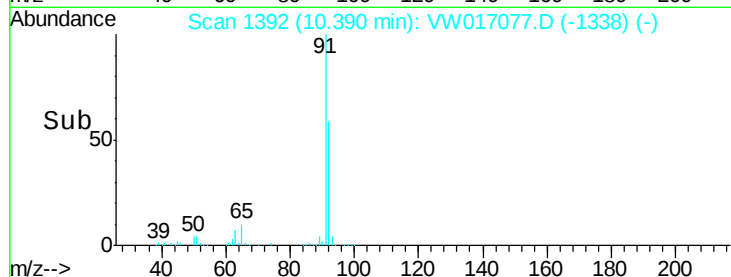
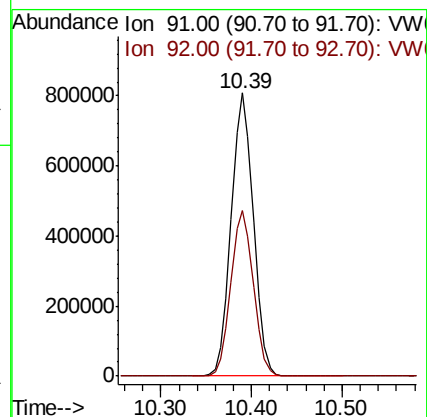
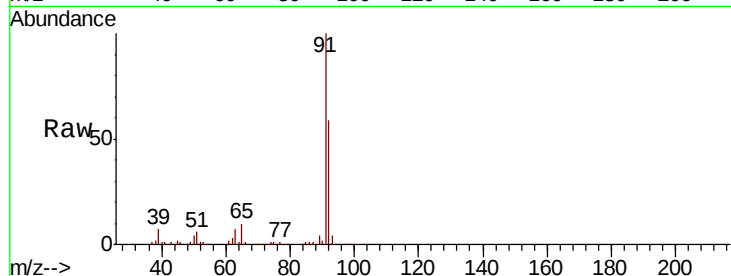
VSTD05001

Tot Ion: 91 Resp: 1370873

Ion Ratio Lower Upper

91 100

92 58.7 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 53.119 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017077.D

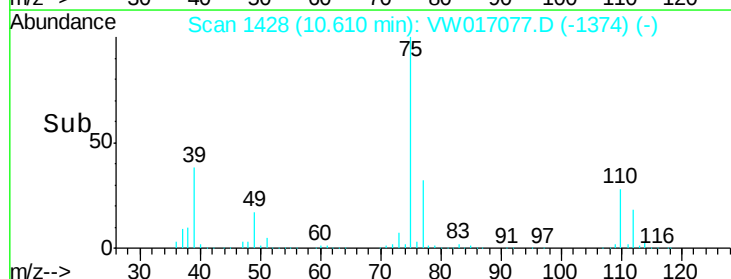
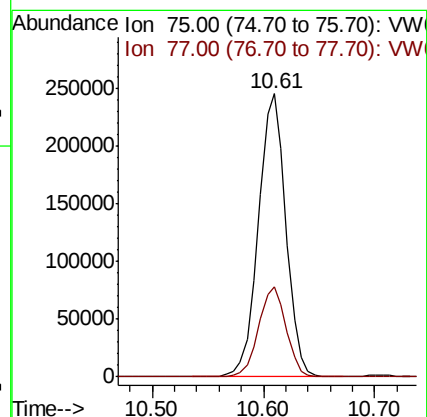
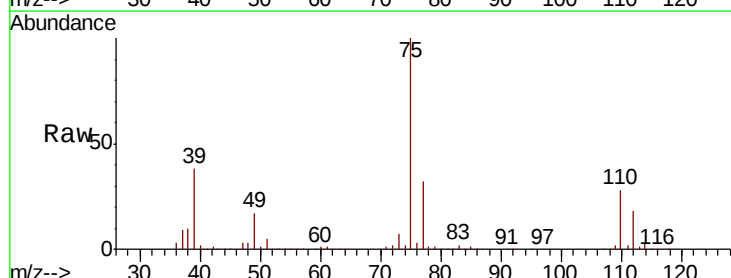
Acq: 04 Nov 2020 15:18

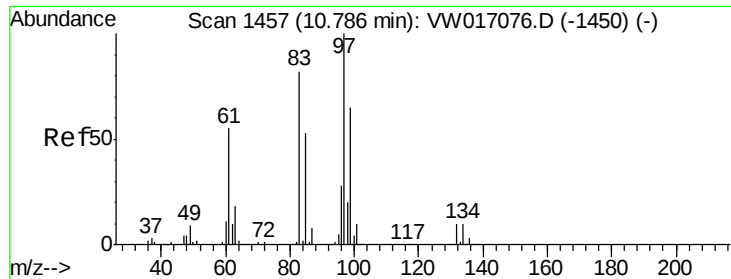
Tgt Ion: 75 Resp: 422749

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1

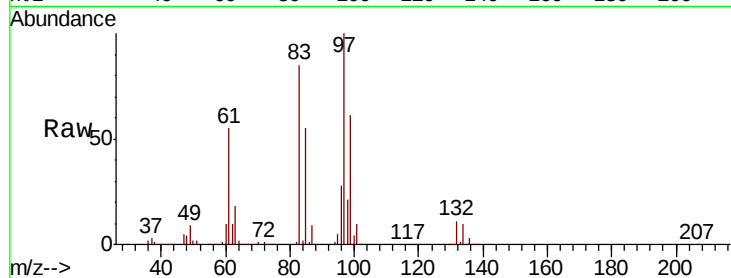




#46
1,1,2-Trichloroethane
Concen: 50.135 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW017077.D
Acq: 04 Nov 2020 15:18

Instrument :
MSVOA_W
ClientSampleId :
VSTD05001

Tot Ion:	97	Resp:	247607
Ion	Ratio	Lower	Upper
97	100		
83	85.1	57.3	106.5
85	55.3	37.2	69.0
99	61.1	45.7	84.9



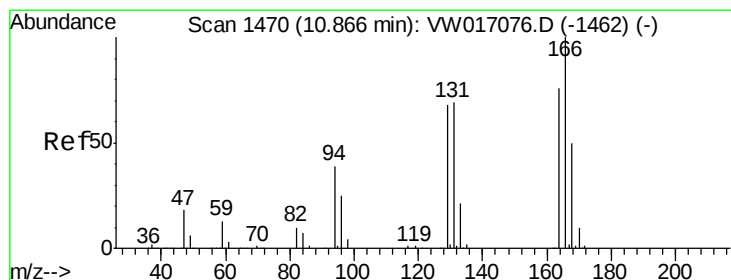
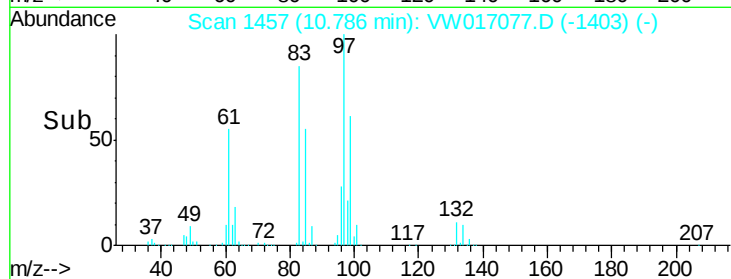
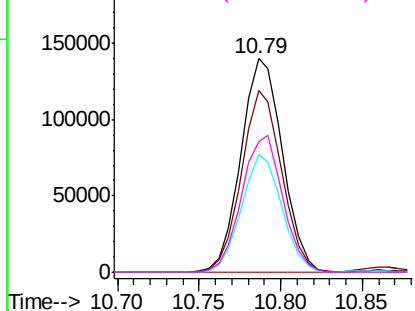
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

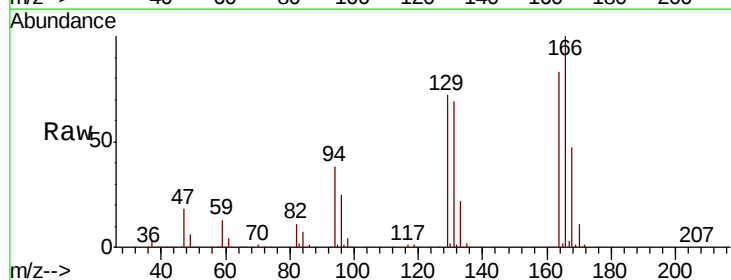
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 44.038 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017077.D
Acq: 04 Nov 2020 15:18

Tgt Ion:	164	Resp:	298732
Ion	Ratio	Lower	Upper
164	100		
129	86.6	62.9	116.7
131	84.0	63.3	117.5
166	121.1	92.0	170.8



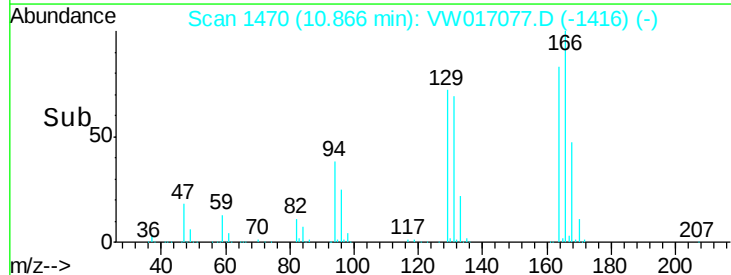
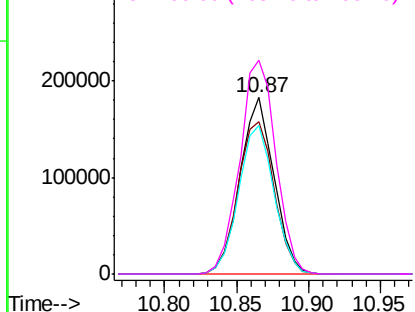
Abundance

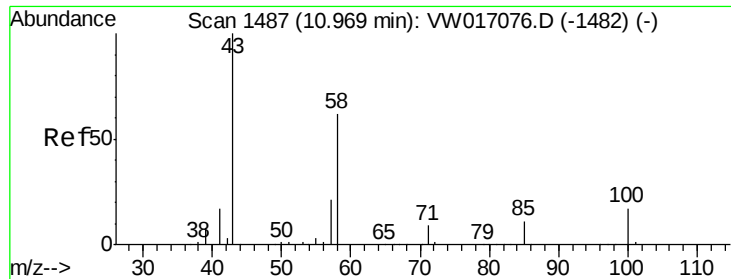
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 121.923 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

Tot Ion: 43 Resp: 235967

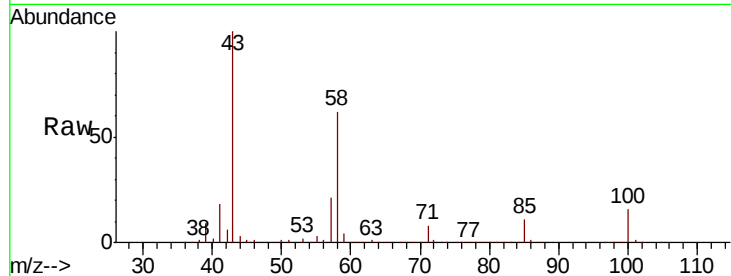
Ion Ratio Lower Upper

43 100

58 62.4 50.6 75.8

57 21.8 17.8 26.6

100 16.7 13.9 20.9

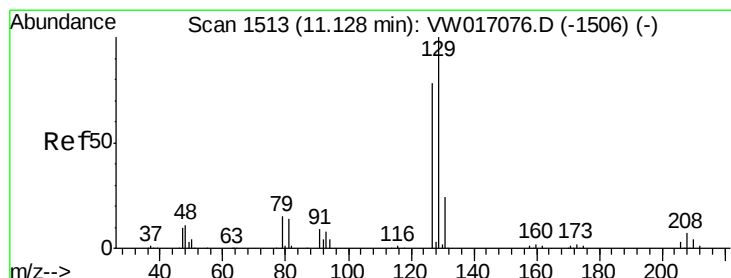
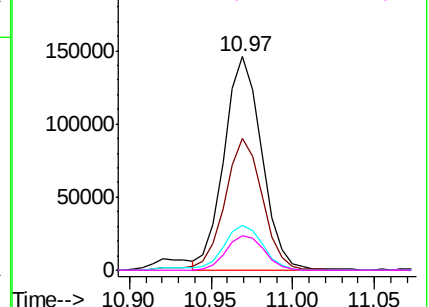
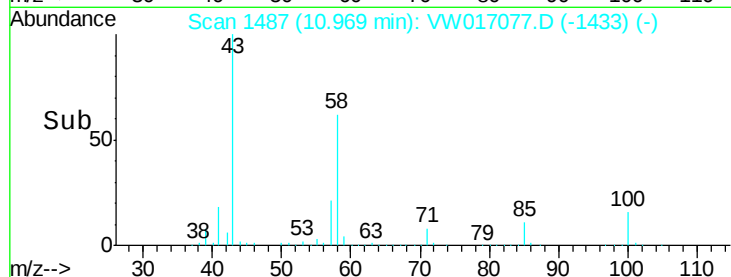


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 53.071 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017077.D

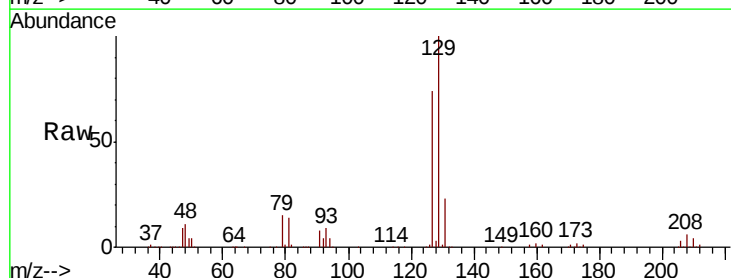
Acq: 04 Nov 2020 15:18

Tgt Ion: 129 Resp: 318726

Ion Ratio Lower Upper

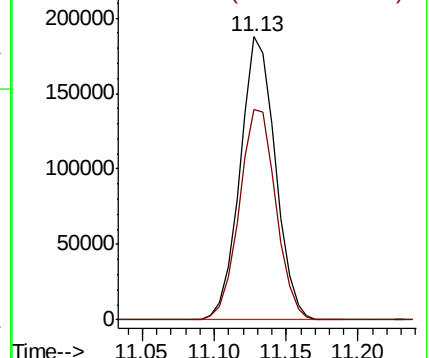
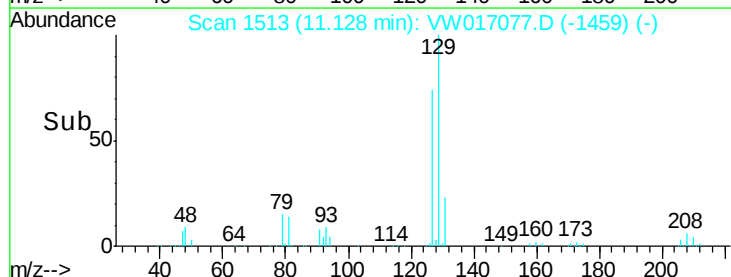
129 100

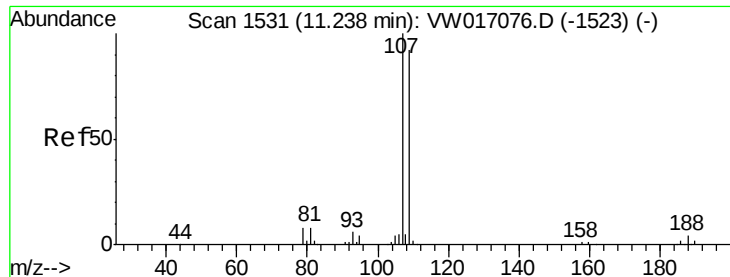
127 74.3 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

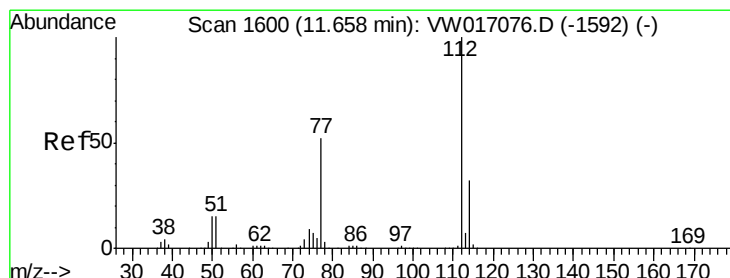
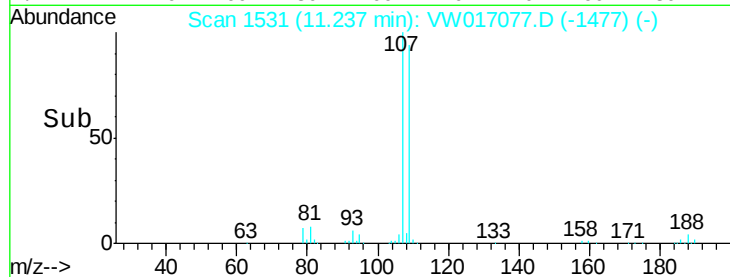
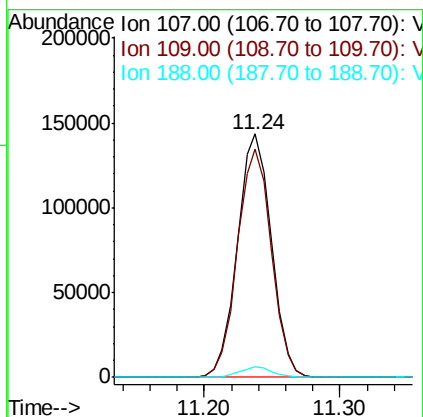
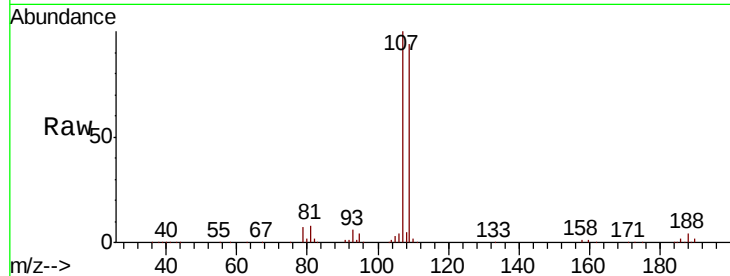




#51
1,2-Dibromoethane
Concen: 52.576 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017077.D
Acq: 04 Nov 2020 15:18

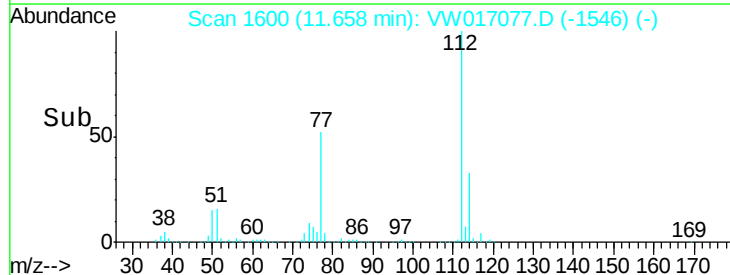
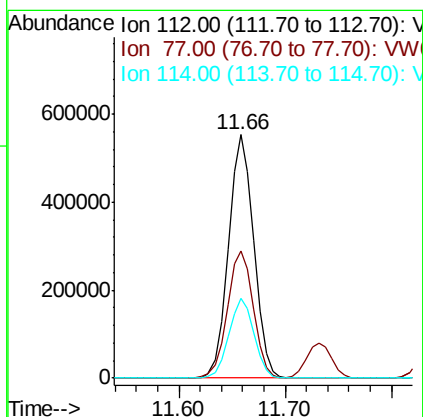
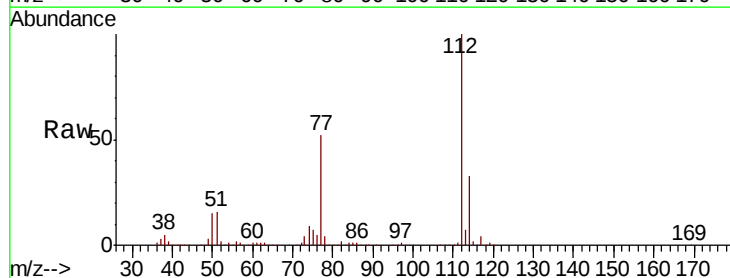
Instrument :
MSVOA_W
ClientSampleId :
VSTD05001

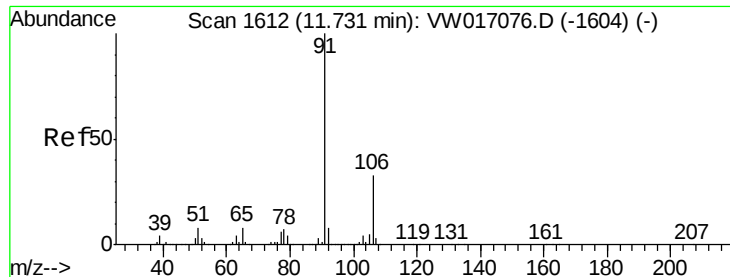
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	64.3	119.5
188	4.5	3.3	4.9



#52
Chlorobenzene
Concen: 46.948 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017077.D
Acq: 04 Nov 2020 15:18

Tgt Ion	Ratio	Lower	Upper
112	100		
77	52.5	41.7	62.5
114	32.6	22.3	41.3





#53

Ethylbenzene

Concen: 47.539 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampleId :

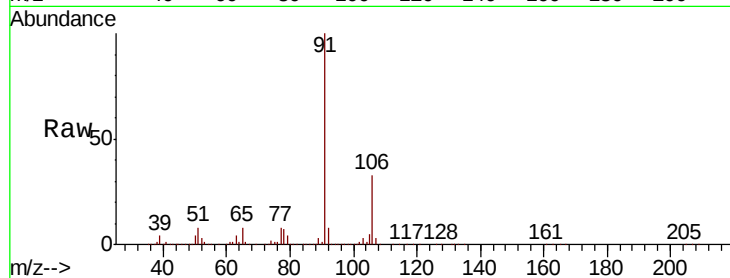
VSTD05001

Tot Ion: 91 Resp: 1548722

Ion Ratio Lower Upper

91 100

106 33.4 22.9 42.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

1000000

800000

600000

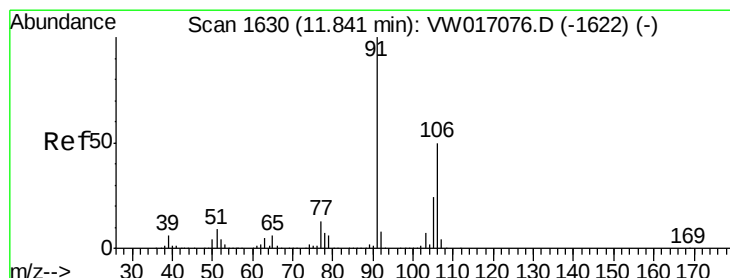
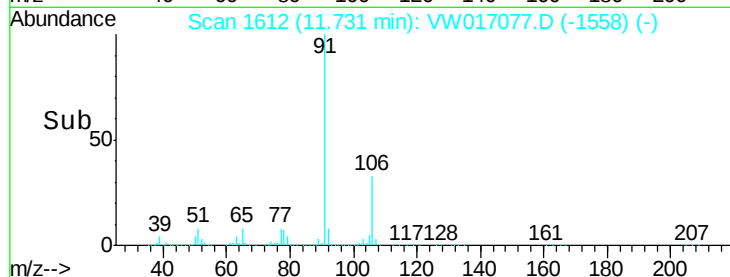
400000

200000

0

Time-->

11.70 11.80



#54

m,p-Xylene

Concen: 48.133 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017077.D

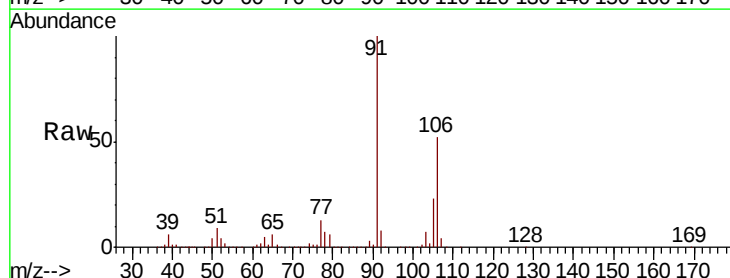
Acq: 04 Nov 2020 15:18

Tgt Ion: 106 Resp: 616384

Ion Ratio Lower Upper

106 100

91 193.1 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

1000000

800000

600000

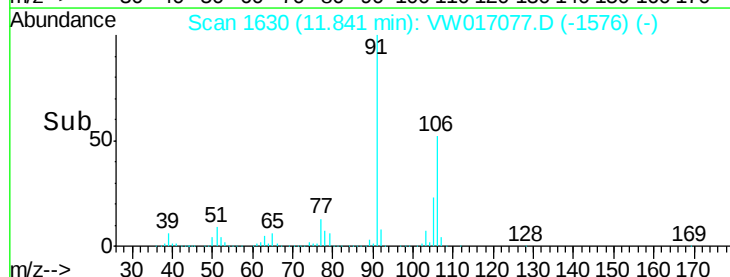
400000

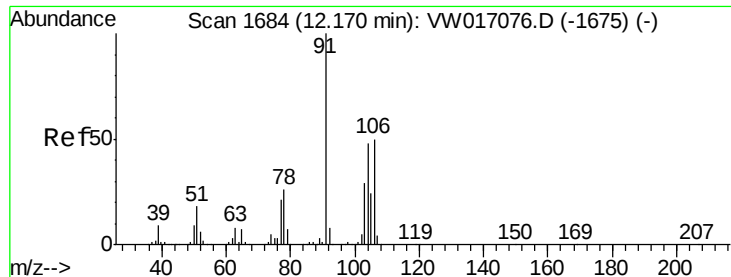
200000

0

Time-->

11.75 11.80 11.85 11.90





#55

o-xylene

Concen: 48.660 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampled :

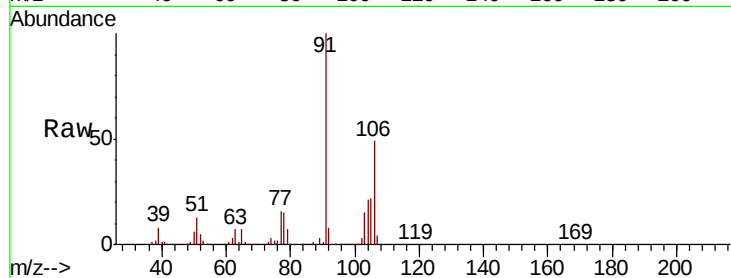
VSTD05001

Tot Ion:106 Resp: 584539

Ion Ratio Lower Upper

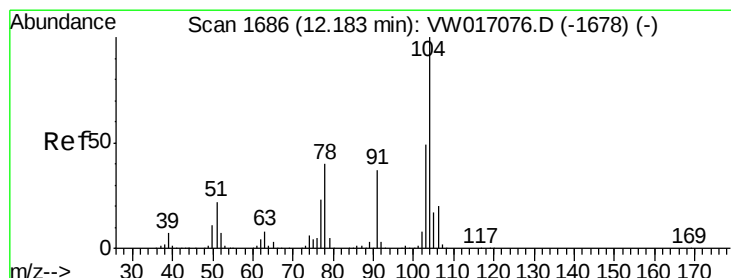
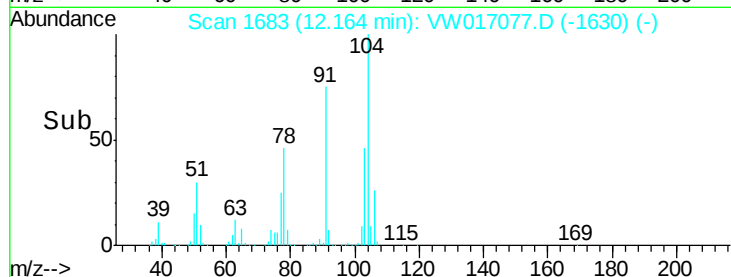
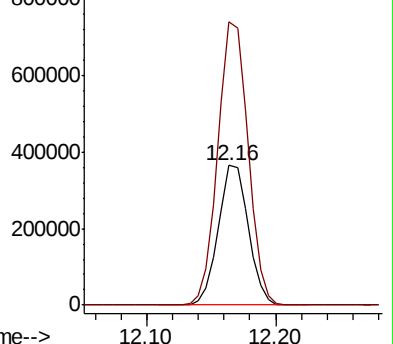
106 100

91 202.7 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 50.395 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017077.D

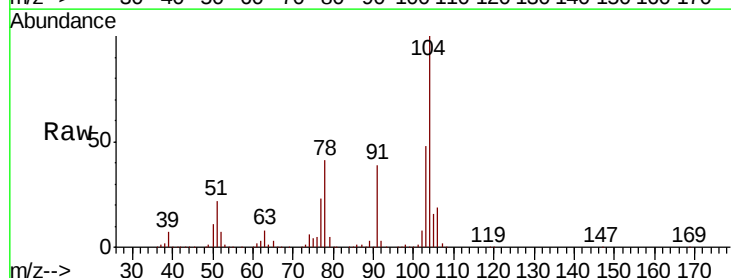
Acq: 04 Nov 2020 15:18

Tgt Ion:104 Resp: 1011179

Ion Ratio Lower Upper

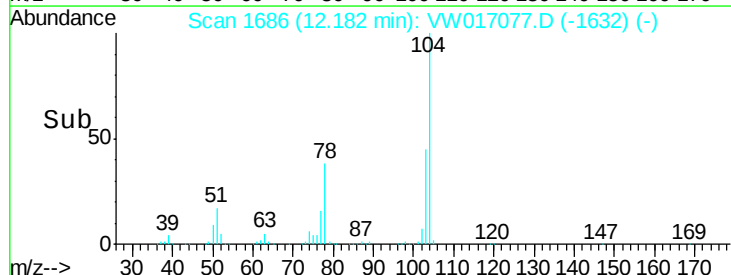
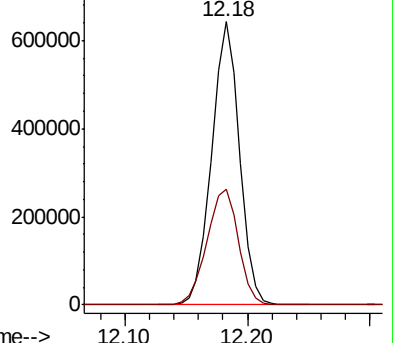
104 100

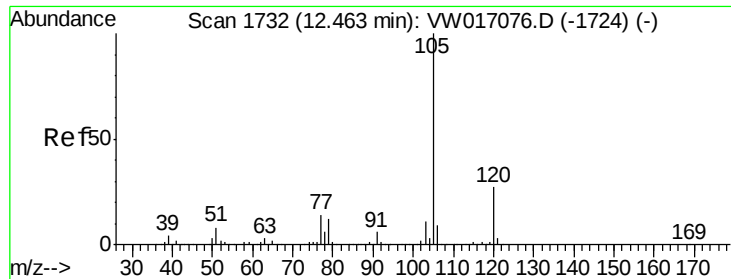
78 41.0 28.2 52.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 48.843 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

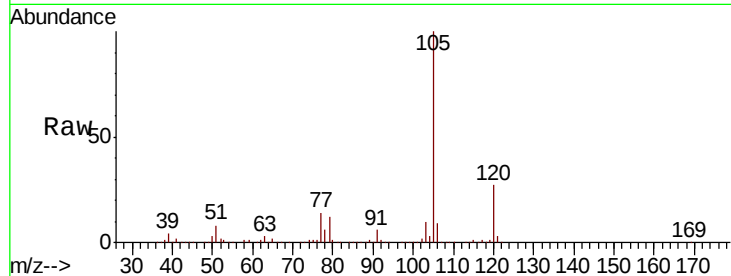
Tot Ion:105 Resp: 1607120

Ion Ratio Lower Upper

105 100

120 26.9 21.8 32.6

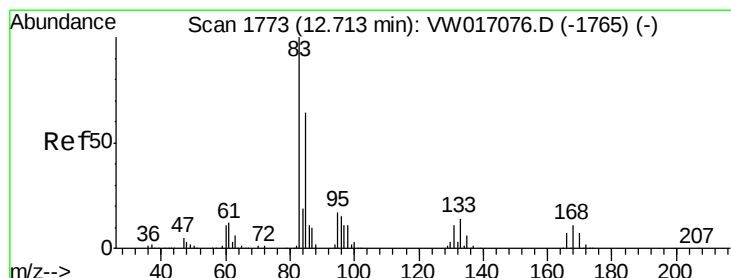
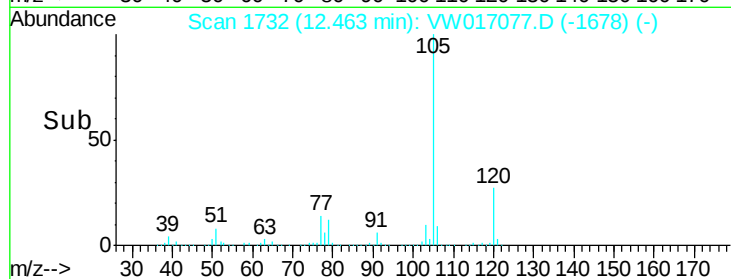
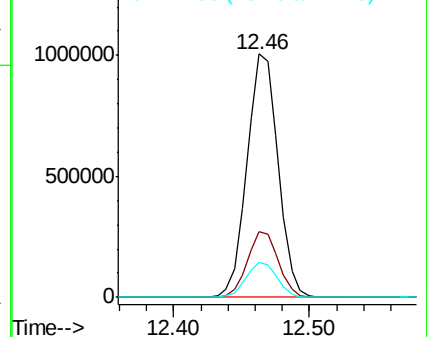
77 14.2 11.4 17.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 54.798 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

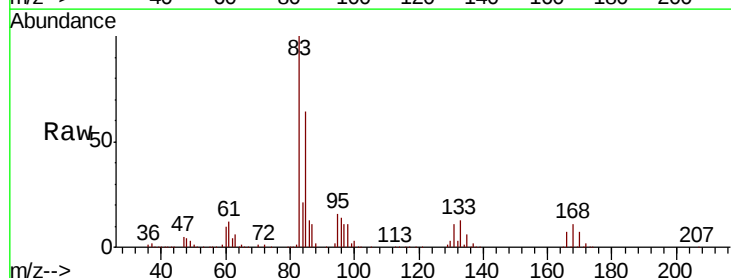
Tgt Ion: 83 Resp: 297666

Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.5

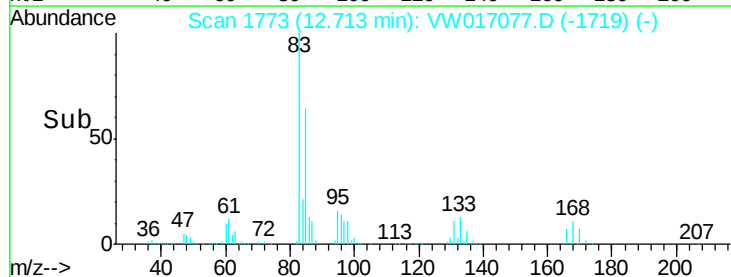
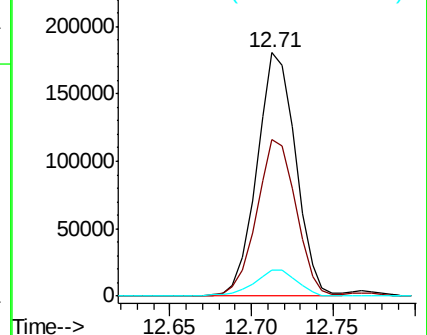
131 10.7 8.8 13.2

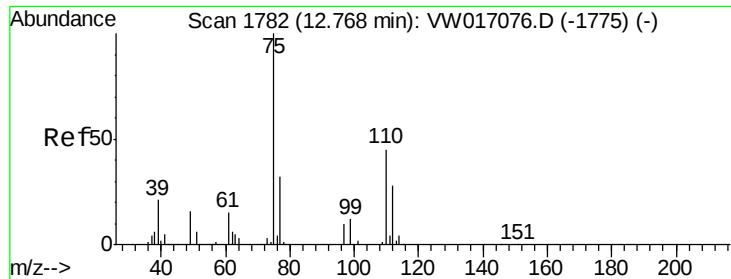


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

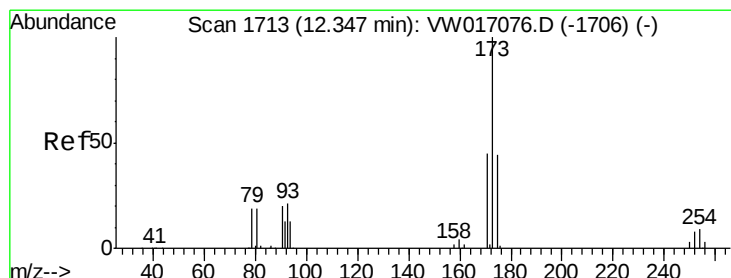
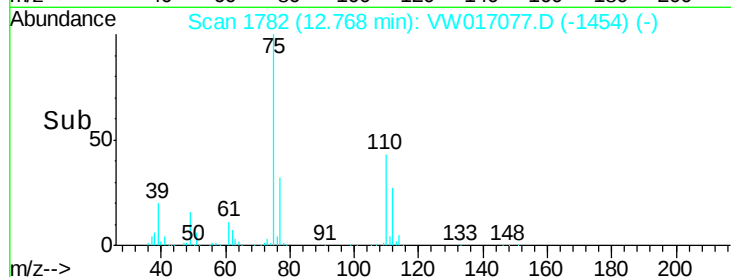
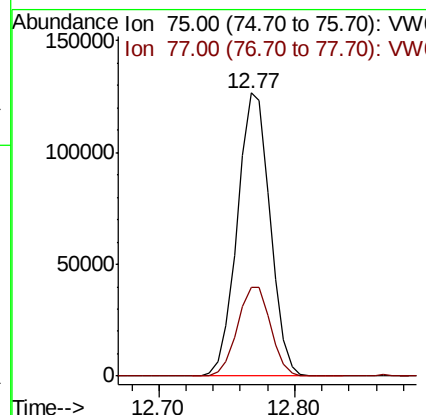
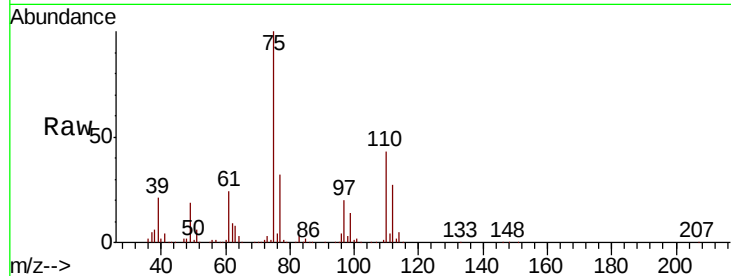




#59
 1,2,3-Trichloropropane
 Concen: 54.559 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW017077.D
 Acq: 04 Nov 2020 15:18

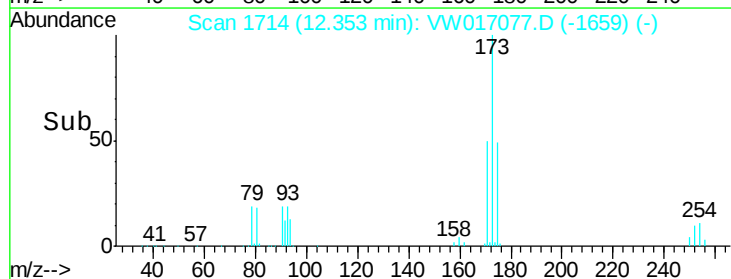
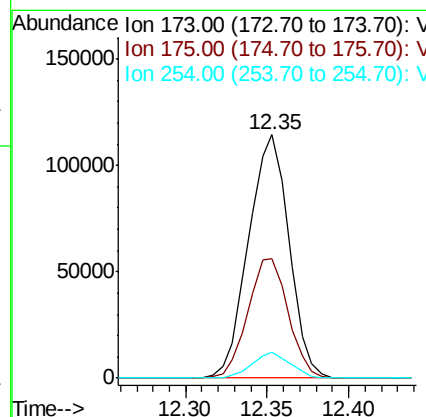
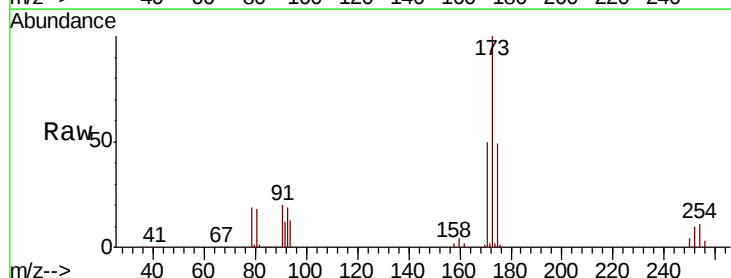
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05001

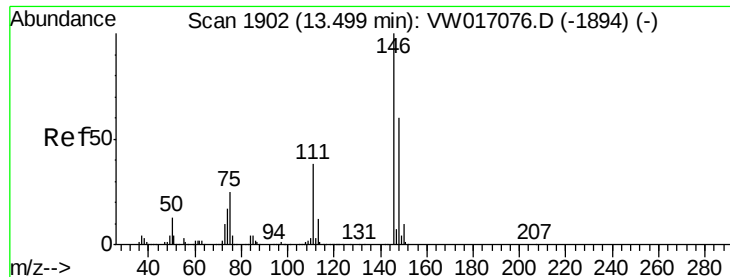
Tot Ion: 75 Resp: 212273
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.4 39.6



#62
 Bromoform
 Concen: 53.065 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW017077.D
 Acq: 04 Nov 2020 15:18

Tgt Ion: 173 Resp: 197705
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.3 57.5
 254 10.1 8.1 12.1





#63

1,3-Dichlorobenzene

Concen: 46.213 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

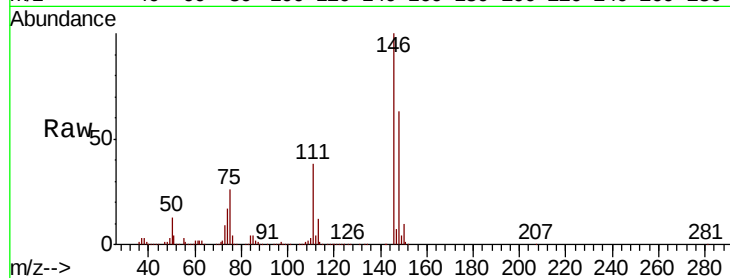
Tot Ion:146 Resp: 763504

Ion Ratio Lower Upper

146 100

111 38.0 26.4 49.0

148 62.6 42.1 78.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

600000

500000

400000

300000

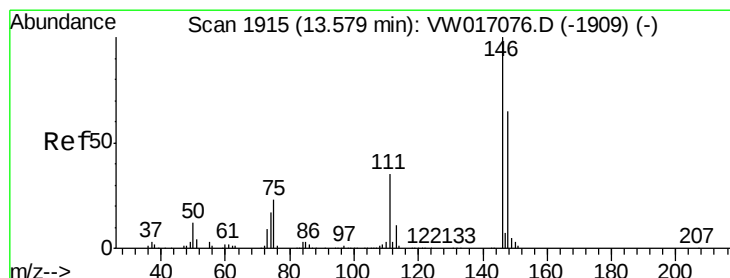
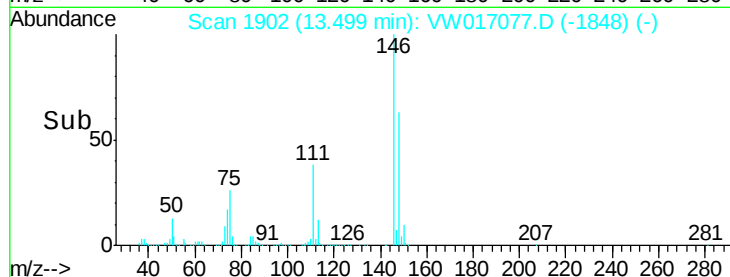
200000

100000

0

13.45 13.50 13.55

Time-->



#64

1,4-Dichlorobenzene

Concen: 45.624 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

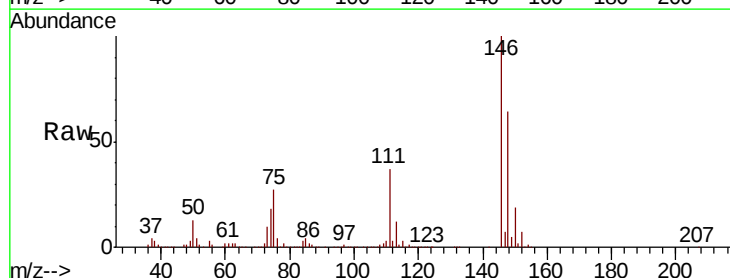
Tgt Ion:146 Resp: 753181

Ion Ratio Lower Upper

146 100

111 37.2 24.5 45.5

148 64.3 45.5 84.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

600000

500000

400000

300000

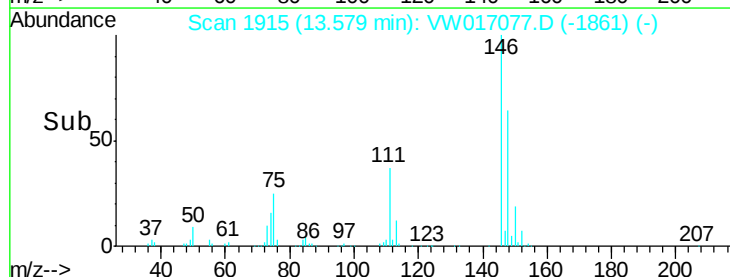
200000

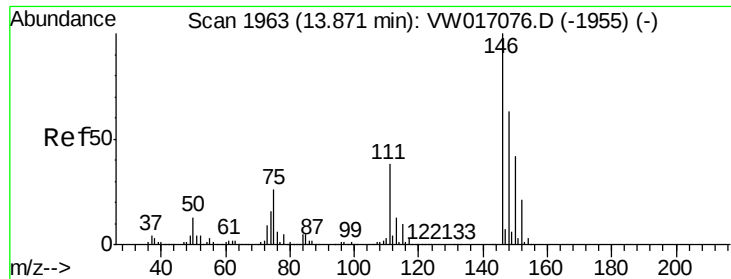
100000

0

13.50 13.55 13.60 13.65

Time-->





#65

1,2-Dichlorobenzene

Concen: 46.461 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

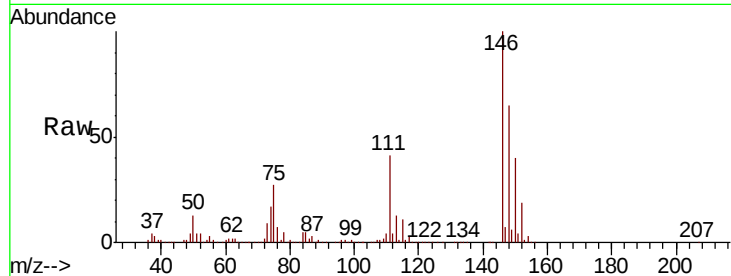
Tot Ion:146 Resp: 685760

Ion Ratio Lower Upper

146 100

111 41.4 30.5 45.7

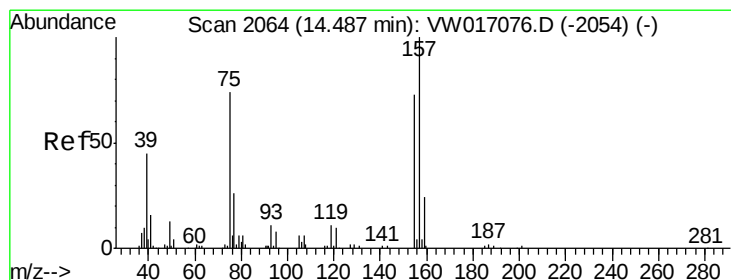
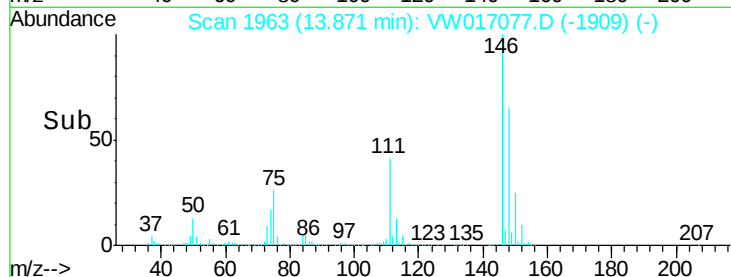
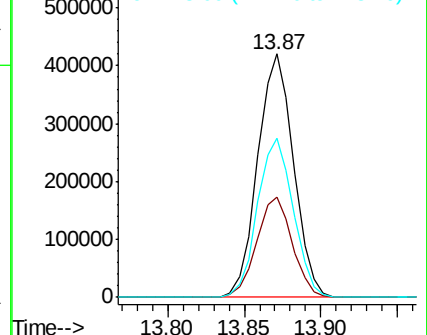
148 65.4 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 56.320 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

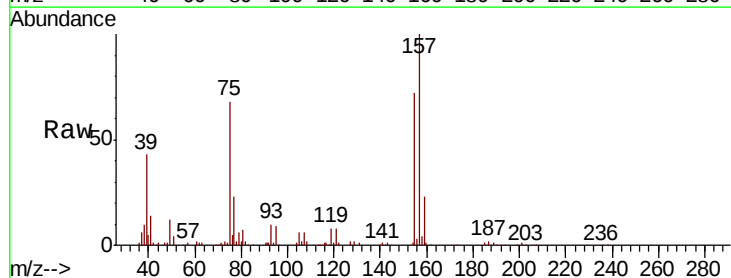
Tgt Ion: 75 Resp: 47549

Ion Ratio Lower Upper

75 100

157 146.1 108.2 162.4

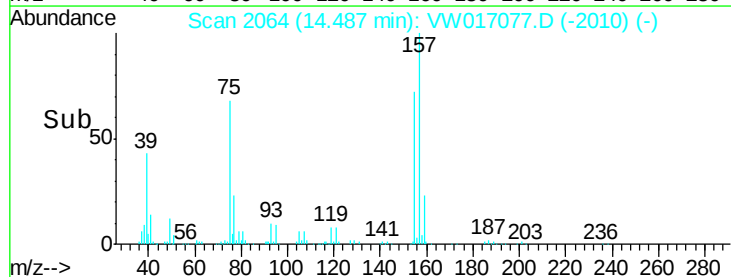
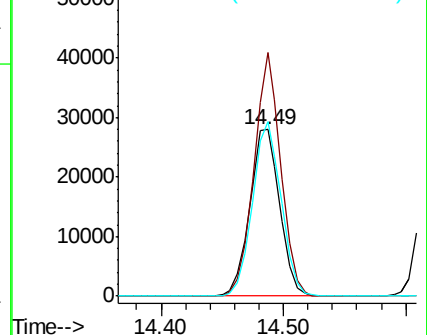
155 104.7 79.1 118.7

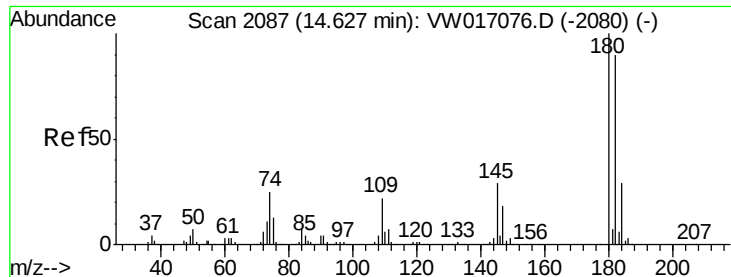


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

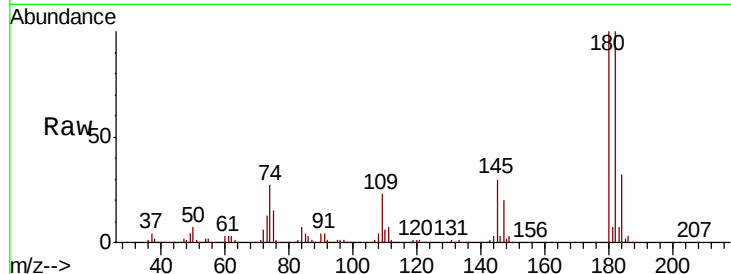




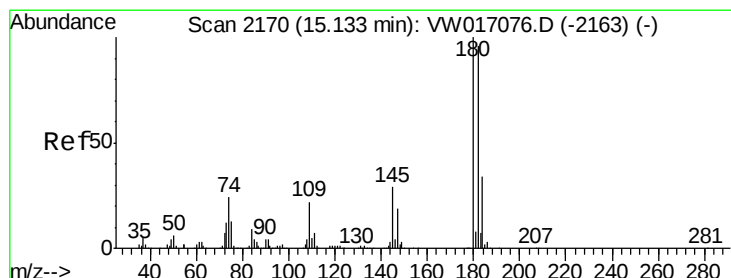
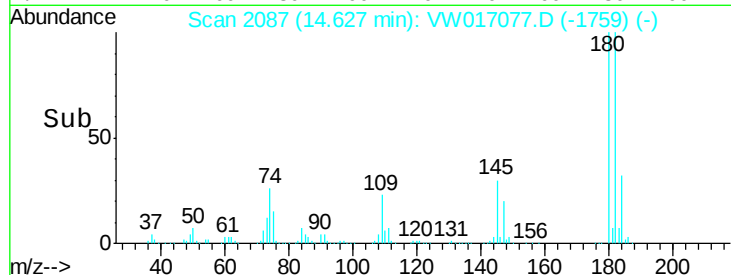
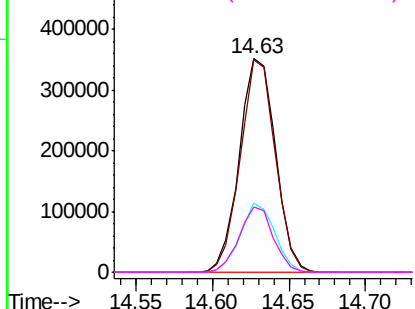
#67
 1,3,5-Trichlorobenzene
 Concen: 47.638 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017077.D
 Acq: 04 Nov 2020 15:18

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05001

Tot Ion:180	Resp:	577537
Ion	Ratio	Lower Upper
180	100	
182	95.9	77.2 115.8
184	30.9	24.2 36.4
145	29.0	23.5 35.3

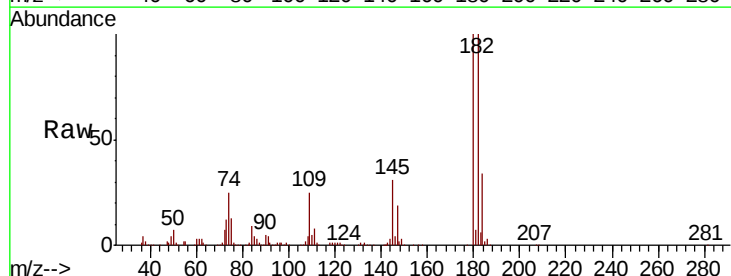


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

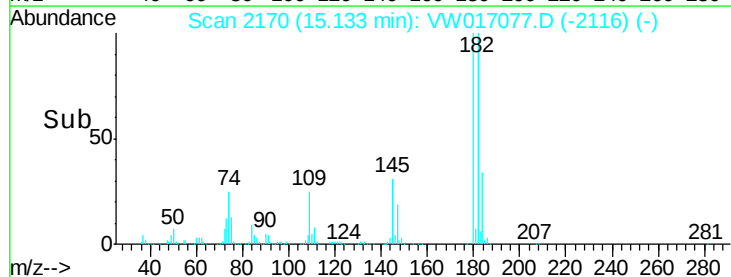
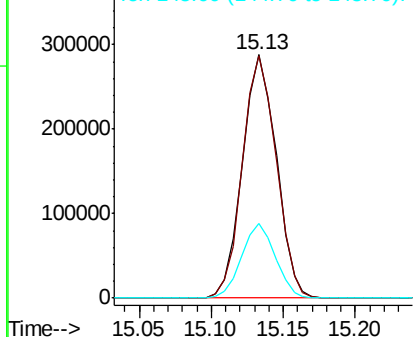


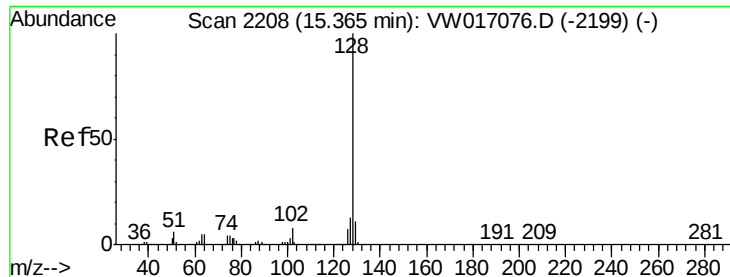
#68
 1,2,4-trichlorobenzene
 Concen: 49.706 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017077.D
 Acq: 04 Nov 2020 15:18

Tgt Ion:180	Resp:	470701
Ion	Ratio	Lower Upper
180	100	
182	99.1	76.7 115.1
145	30.3	23.6 35.4



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





#69

Naphthalene

Concen: 59.599 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

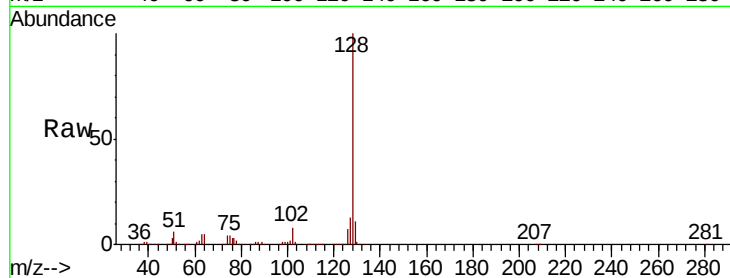
Tot Ion:128 Resp: 956404

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

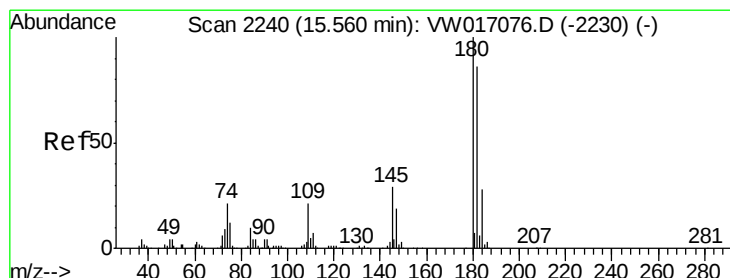
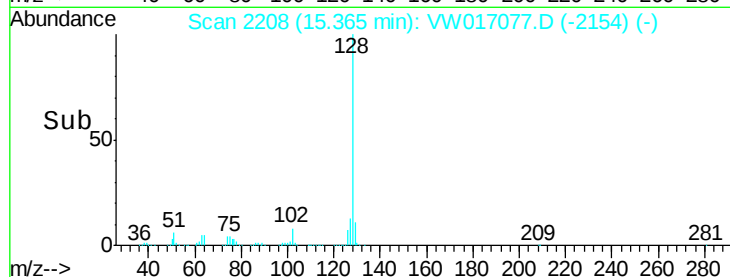
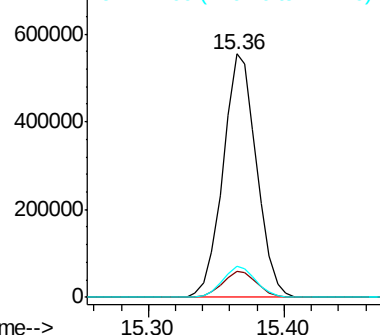
127 12.7 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.692 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017077.D

Acq: 04 Nov 2020 15:18

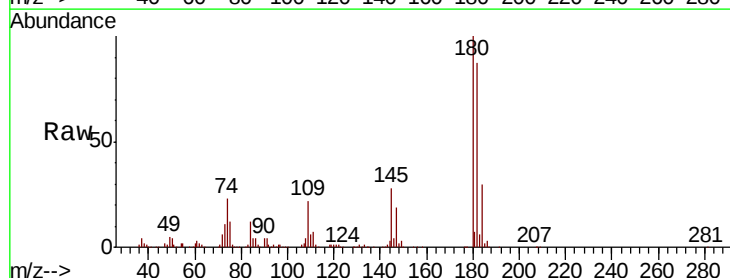
Tgt Ion:180 Resp: 441002

Ion Ratio Lower Upper

180 100

182 92.1 75.5 113.3

145 30.5 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

