

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010821\
 Data File : VW017809.D
 Acq On : 08 Jan 2021 17:25
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Quant Time: Jan 08 21:59:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 21:58:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	288043	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	279827	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	147492	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	107148	24.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.16%
7) Chloroethane-d5	2.89	69	99532	27.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.24%
10) 1,1-Dichloroethene-d2	4.03	63	185849	23.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.72%
20) 2-Butanone-d5	7.08	46	50751	70.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.52%#
24) Chloroform-d	7.65	84	206287	27.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.64%
26) 1,2-Dichloroethane-d4	8.31	65	114183	29.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.24%
29) Benzene-d6	8.27	84	389812	24.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.92%
33) 1,2-Dichloropropane-d6	9.27	67	112197	25.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.28%
37) Toluene-d8	10.32	98	386384	25.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.08%
38) trans-1,3-Dichloropropene-	10.58	79	53313	27.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.12%
39) 2-Hexanone-d5	10.93	63	38667	70.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	141.74%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	106736	33.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	132.36%#
61) 1,2-Dichlorobenzene-d4	13.85	152	134024	26.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	67905	21.352	ug/L 94
3) Chloromethane	2.21	50	59154	20.926	ug/L 100
5) Vinyl chloride	2.37	62	110590	23.125	ug/L 100
6) Bromomethane	2.78	94	92847	26.182	ug/L 98
8) Chloroethane	2.92	64	77299	25.781	ug/L 99
9) Trichlorofluoromethane	3.26	101	74609	19.016	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	86584	23.645	ug/L 99
12) 1,1-Dichloroethene	4.04	96	82350	23.198	ug/L 88
13) Acetone	4.13	43	29745	47.687	ug/L 100
14) Carbon disulfide	4.39	76	232229	21.908	ug/L 99
15) Methyl Acetate	4.67	43	37798	31.265	ug/L 97
16) Methylene chloride	4.92	84	92170	22.376	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	115817	25.743	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	92625	24.190	ug/L 98
19) 1,1-Dichloroethane	6.22	63	165454	25.292	ug/L 98
21) 2-Butanone	7.17	43	50096	59.708	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	99934	24.837	ug/L 98

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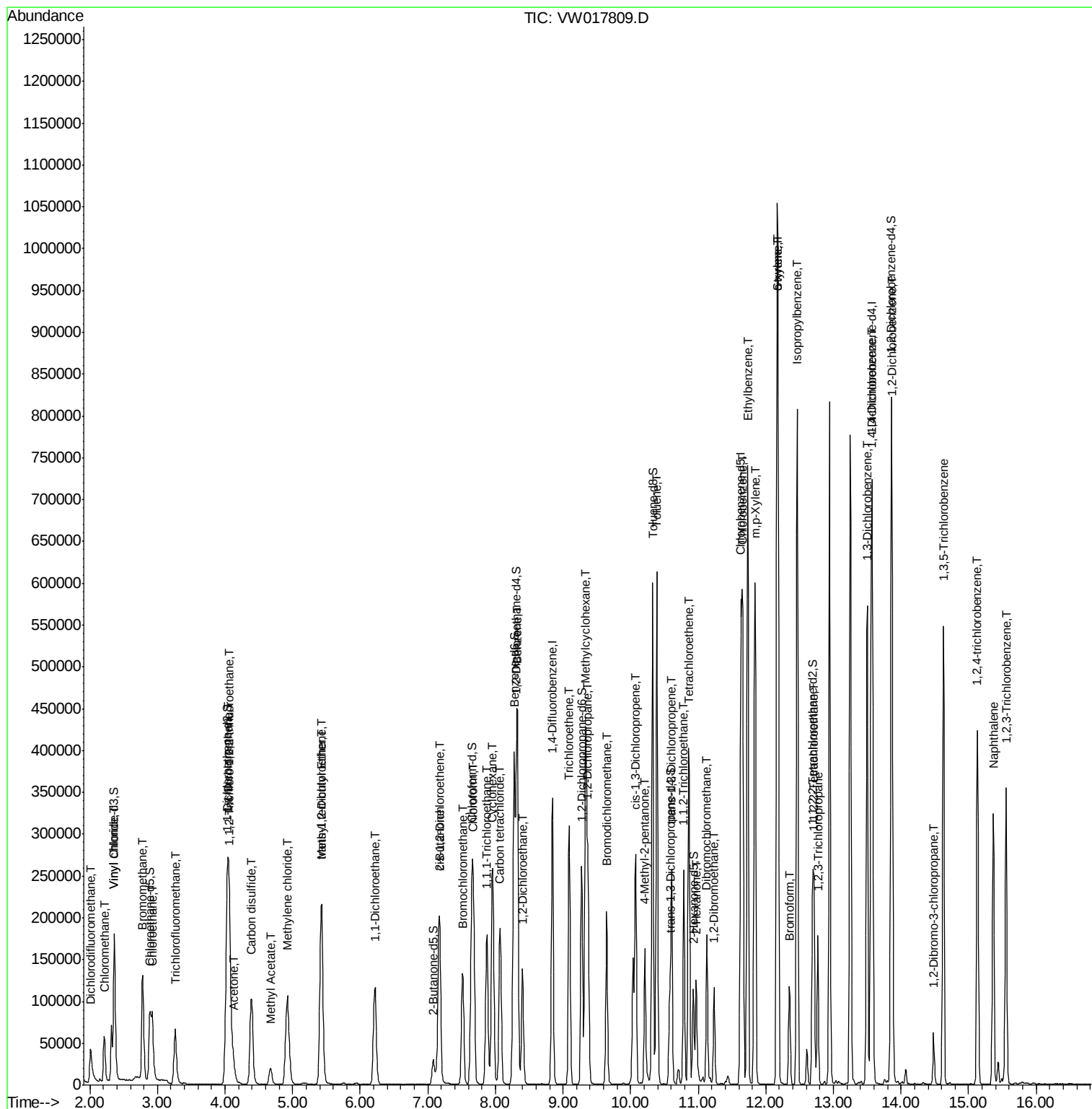
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	45393	26.632	ug/L	94
25) Chloroform	7.68	83	176294	25.611	ug/L	99
27) 1,2-Dichloroethane	8.40	62	123904	27.827	ug/L #	95
30) Cyclohexane	7.96	56	144389	21.678	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	145346	22.581	ug/L	99
32) Carbon tetrachloride	8.07	117	134282	22.112	ug/L	99
34) Benzene	8.32	78	378869	23.680	ug/L	100
35) Trichloroethene	9.09	95	101527	22.925	ug/L	97
36) Methylcyclohexane	9.34	83	173901	22.462	ug/L	100
40) 1,2-Dichloropropane	9.37	63	93911	24.863	ug/L	99
41) Bromodichloromethane	9.65	83	132344	25.597	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	154644	25.657	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	110880	60.424	ug/L	98
44) Toluene	10.39	91	451054	24.723	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	134800	26.263	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	76467	27.237	ug/L	96
47) Tetrachloroethene	10.86	164	81503	23.539	ug/L	97
49) 2-Hexanone	10.97	43	81087	62.282	ug/L	98
50) Dibromochloromethane	11.13	129	90443	27.135	ug/L	97
51) 1,2-Dibromoethane	11.24	107	74910	28.184	ug/L	94
52) Chlorobenzene	11.66	112	285128	25.035	ug/L	97
53) Ethylbenzene	11.73	91	513160	24.790	ug/L	99
54) m,p-Xylene	11.84	106	196172	24.225	ug/L	98
55) o-xylene	12.16	106	185482	24.356	ug/L	96
56) Styrene	12.18	104	321800	25.403	ug/L	98
57) Isopropylbenzene	12.46	105	513803	24.369	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	94719	30.227	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	69247	30.062	ug/L	99
62) Bromoform	12.35	173	47362	26.244	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	221543	24.336	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	224477	24.538	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	199514	24.942	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	14592	27.697	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	150705	24.148	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	129894	25.287	ug/L	99
69) Naphthalene	15.36	128	267348	27.329	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	111490	25.702	ug/L	99

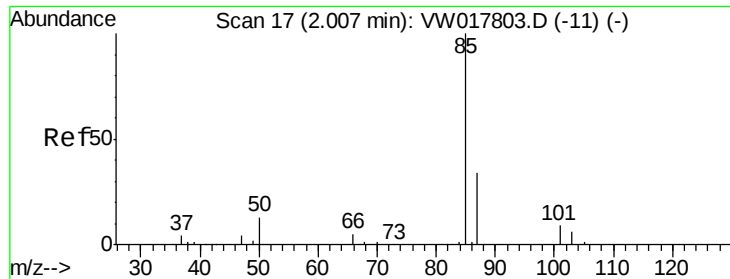
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.352 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Instrument :

MSVOA_W

ClientSampleId :

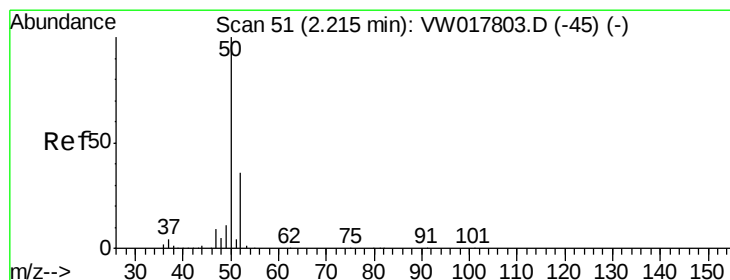
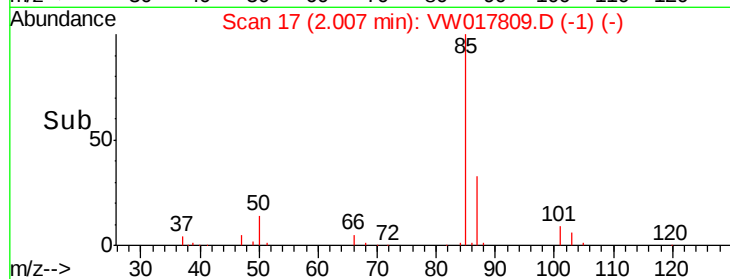
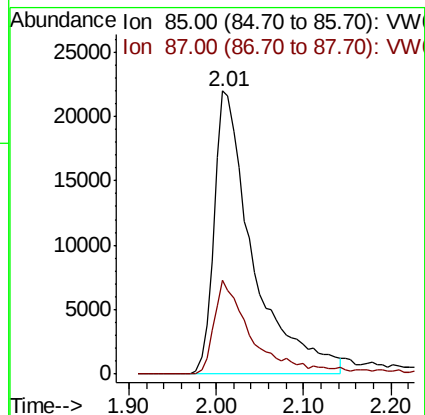
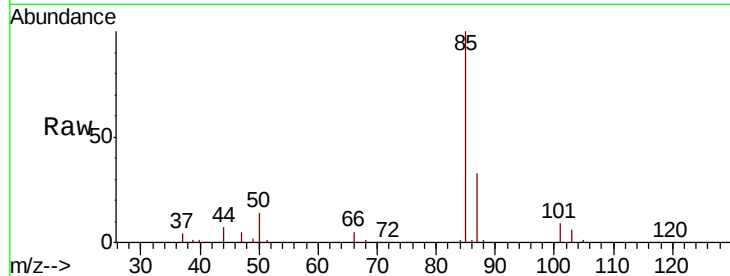
VSTD02512

Tot Ion: 85 Resp: 67905

Ion Ratio Lower Upper

85 100

87 28.2 22.0 41.0



#3

Chloromethane

Concen: 20.926 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017809.D

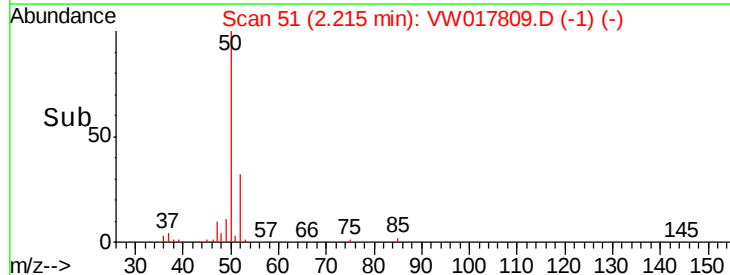
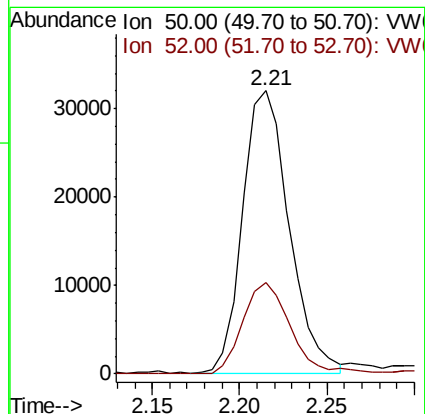
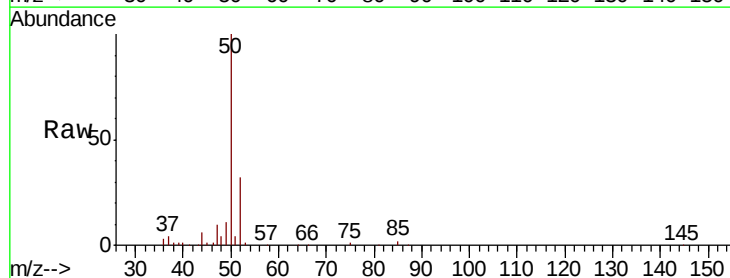
Acq: 08 Jan 2021 17:25

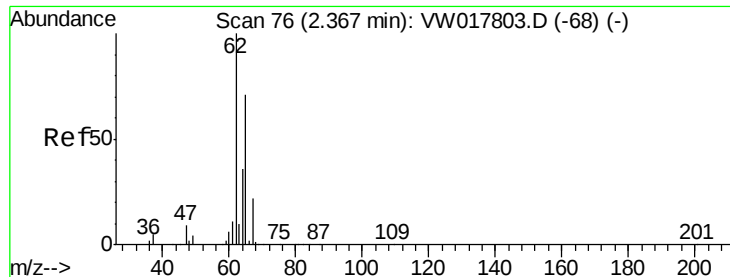
Tgt Ion: 50 Resp: 59154

Ion Ratio Lower Upper

50 100

52 32.4 22.5 41.9





#5

Vinyl chloride

Concen: 23.125 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Instrument :

MSVOA_W

ClientSampleId :

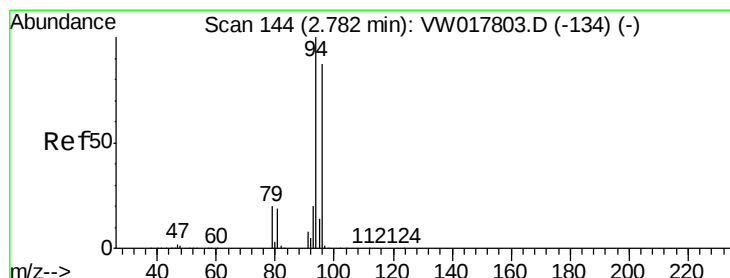
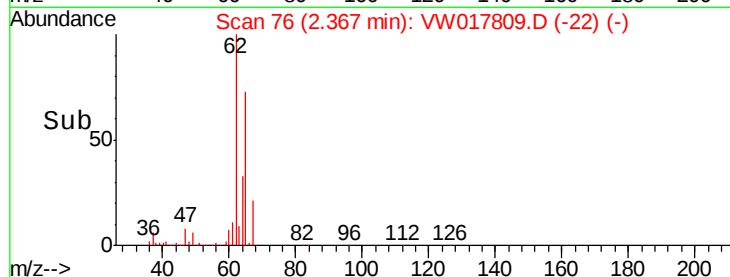
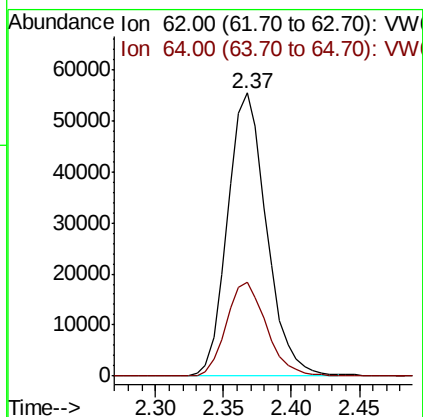
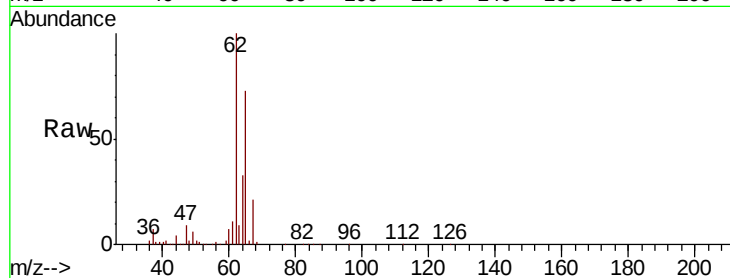
VSTD02512

Tot Ion: 62 Resp: 110590

Ion Ratio Lower Upper

62 100

64 33.2 23.3 43.3



#6

Bromomethane

Concen: 26.182 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017809.D

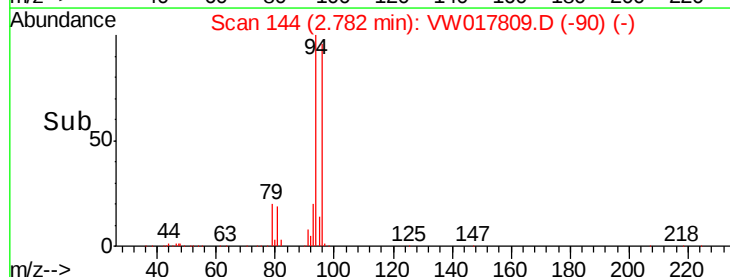
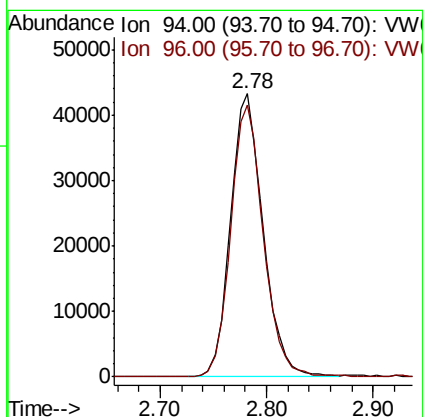
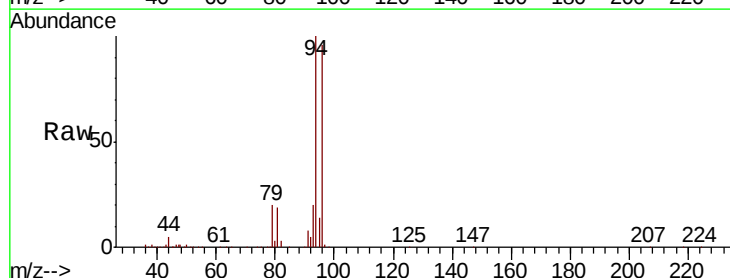
Acq: 08 Jan 2021 17:25

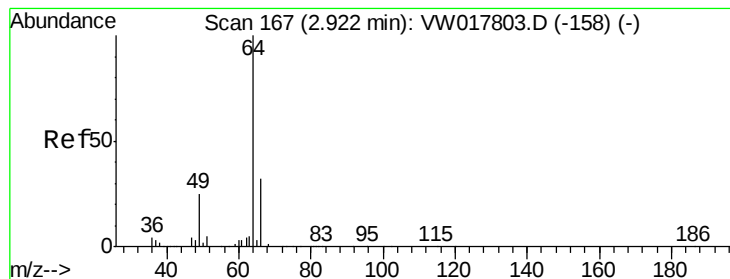
Tgt Ion: 94 Resp: 92847

Ion Ratio Lower Upper

94 100

96 95.8 9.4 178.6





#8

Chloroethane

Concen: 25.781 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Instrument :

MSVOA_W

ClientSampleId :

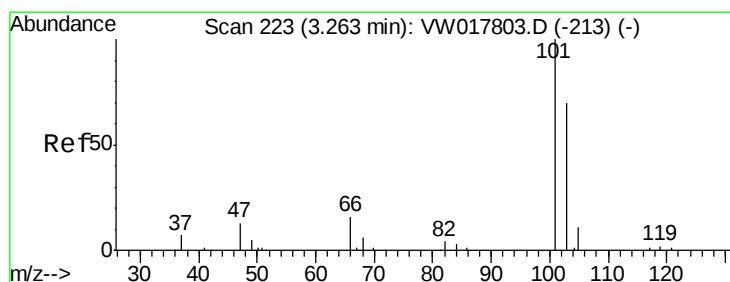
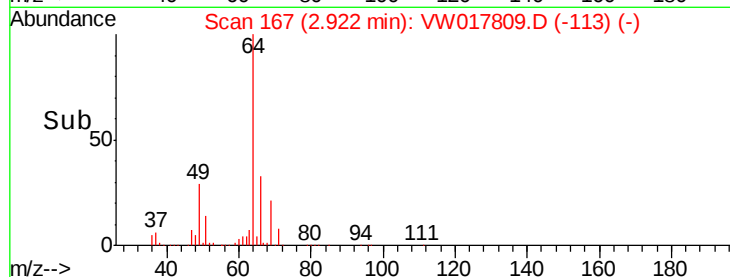
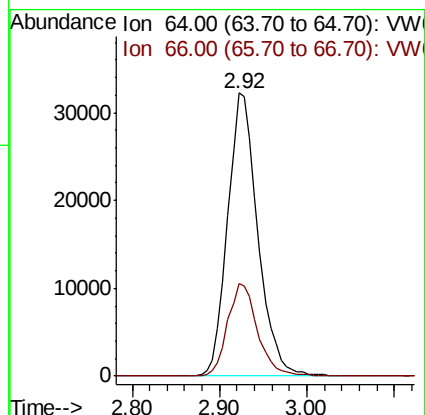
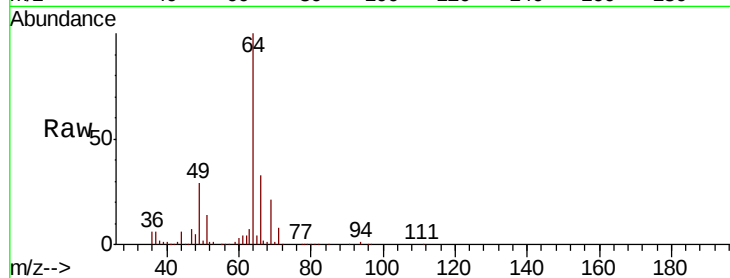
VSTD02512

Tot Ion: 64 Resp: 77299

Ion Ratio Lower Upper

64 100

66 32.6 22.3 41.5



#9

Trichlorofluoromethane

Concen: 19.016 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW017809.D

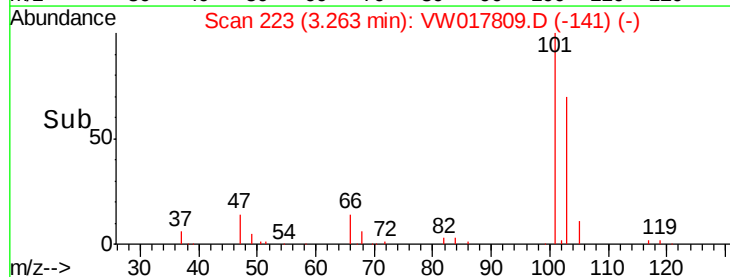
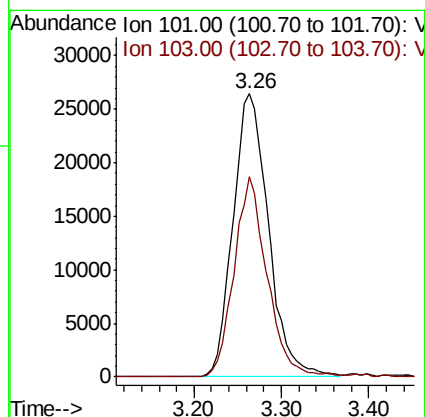
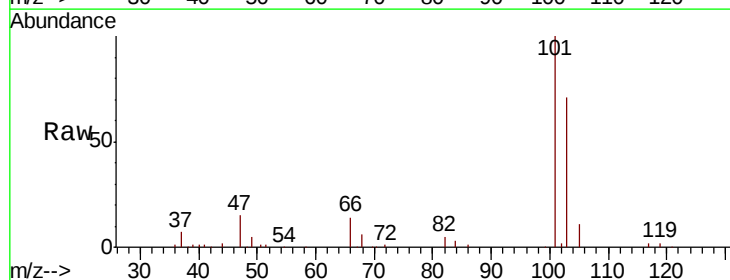
Acq: 08 Jan 2021 17:25

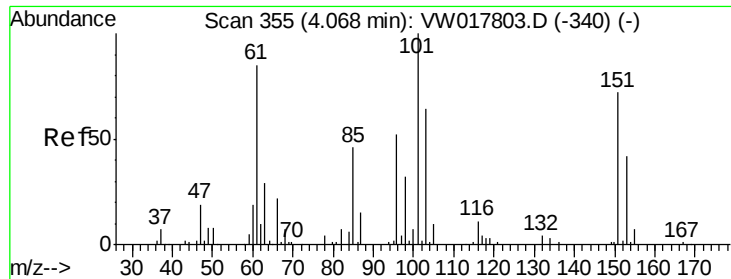
Tgt Ion: 101 Resp: 74609

Ion Ratio Lower Upper

101 100

103 65.0 46.0 85.4





#11

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

Concen: 23.645 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

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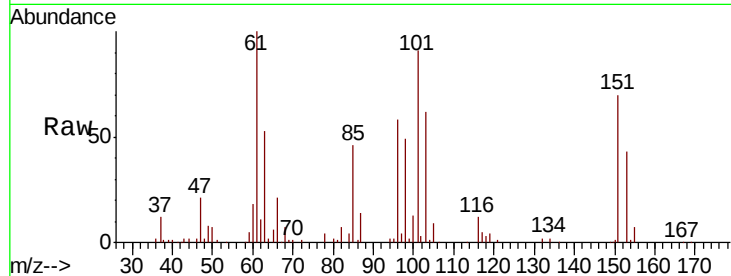
Tot Ion:101 Resp: 86584

Ion Ratio Lower Upper

101 100

85 47.2 36.7 55.1

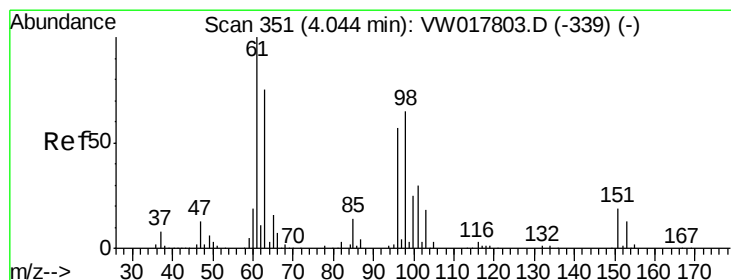
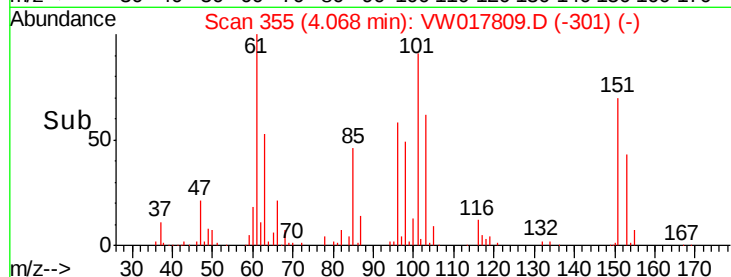
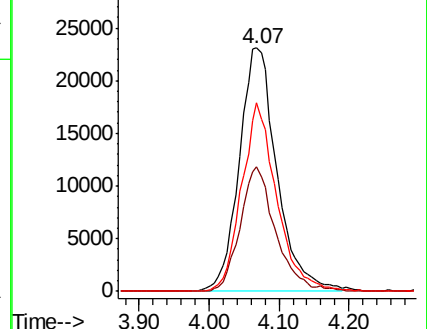
151 72.0 57.7 86.5



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: 23.198 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

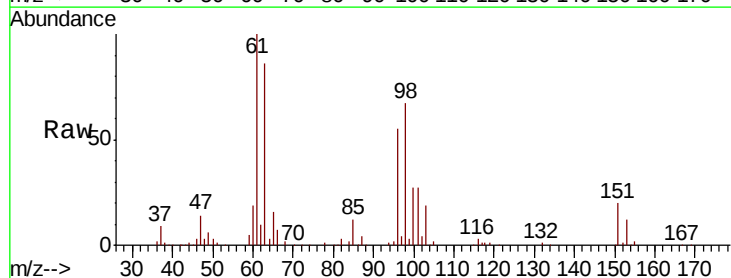
Tgt Ion: 96 Resp: 82350

Ion Ratio Lower Upper

96 100

61 183.2 126.1 234.1

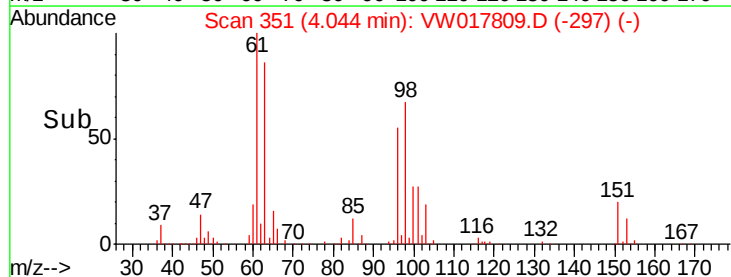
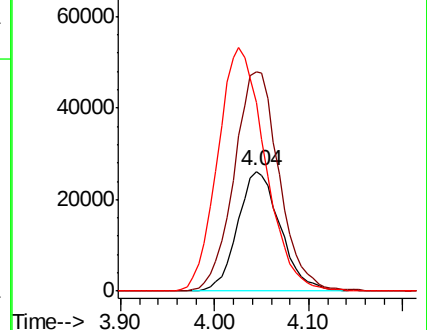
63 158.0 90.0 167.2

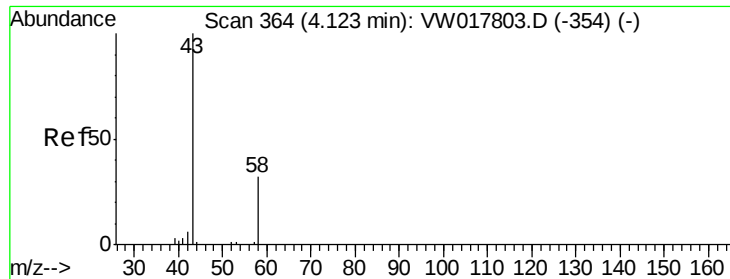


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.687 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW017809.D

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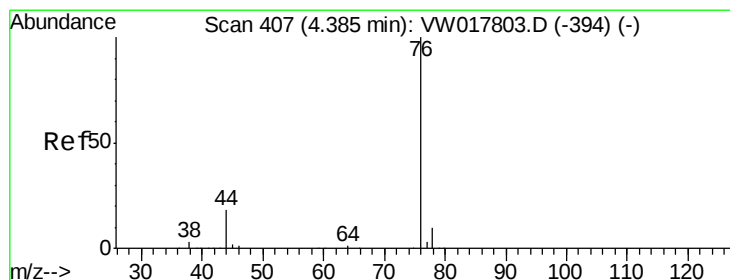
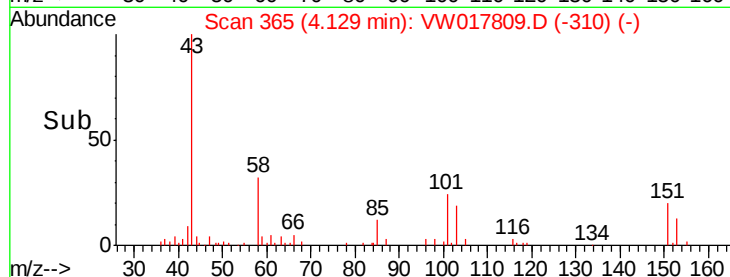
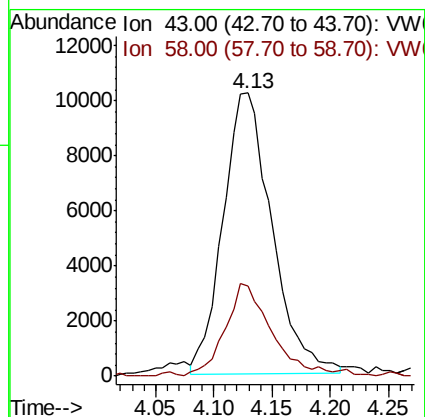
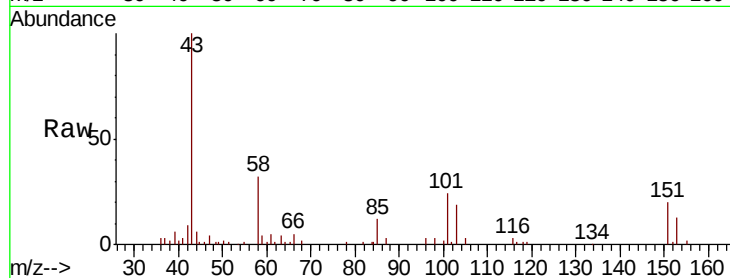
VSTD02512

Tot Ion: 43 Resp: 29745

Ion Ratio Lower Upper

43 100

58 30.2 0.0 60.8



#14

Carbon disulfide

Concen: 21.908 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW017809.D

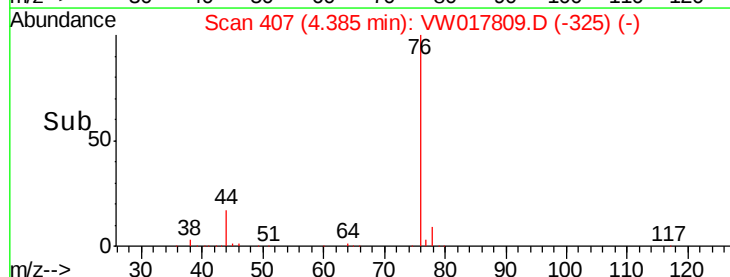
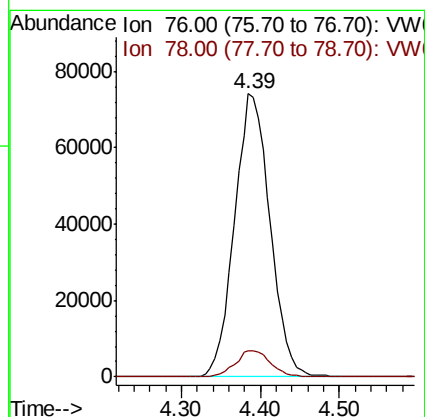
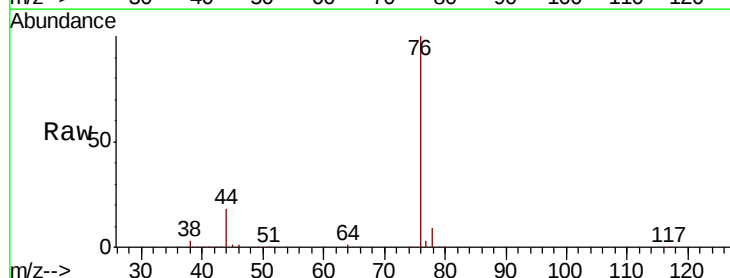
Acq: 08 Jan 2021 17:25

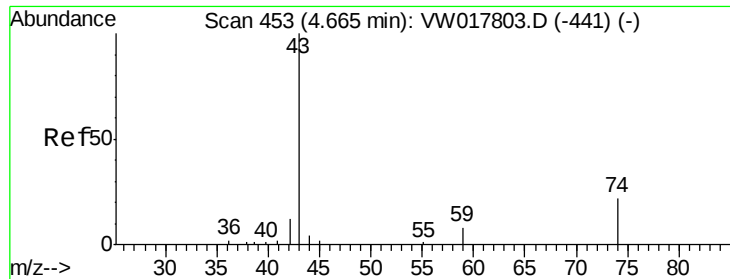
Tgt Ion: 76 Resp: 232229

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

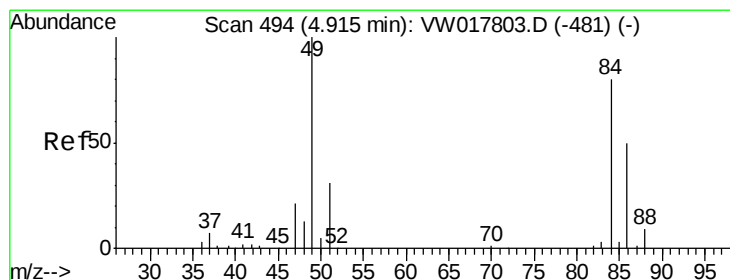
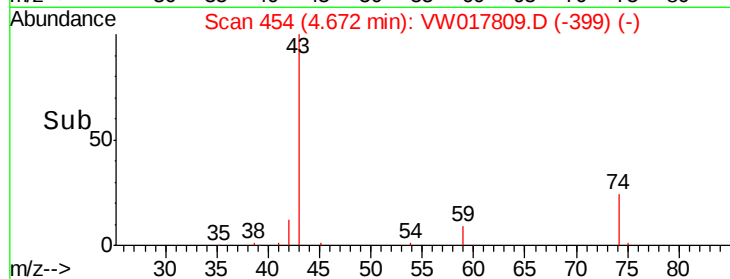
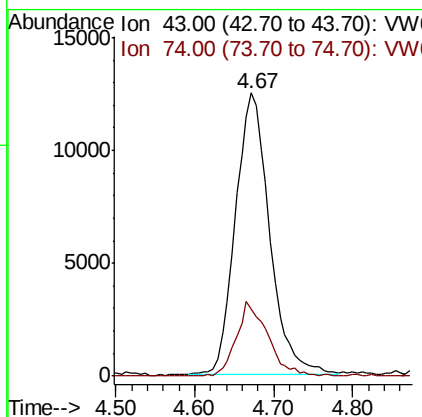
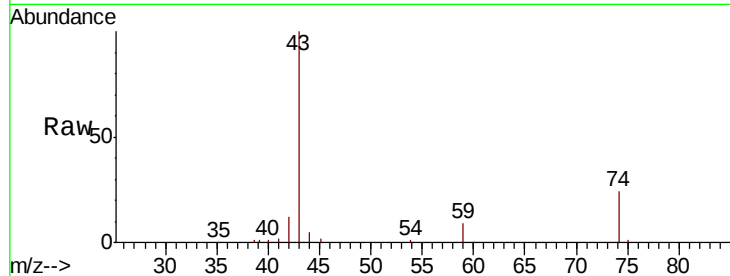




#15
Methvl Acetate
Concen: 31.265 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW017809.D
Acq: 08 Jan 2021 17:25

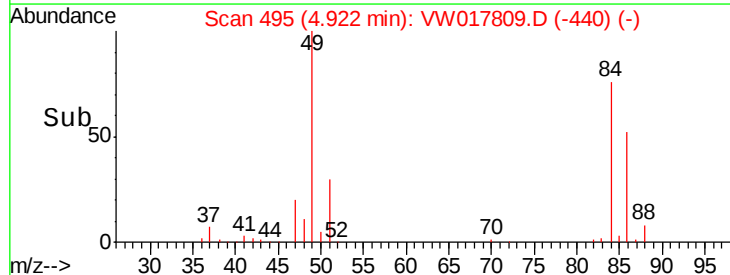
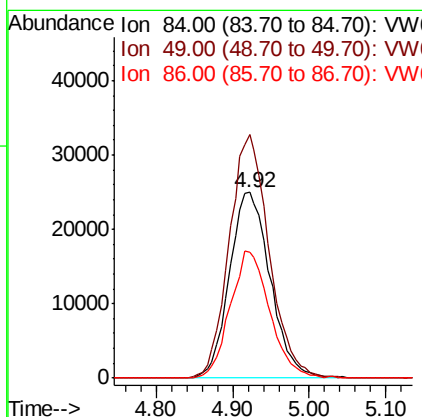
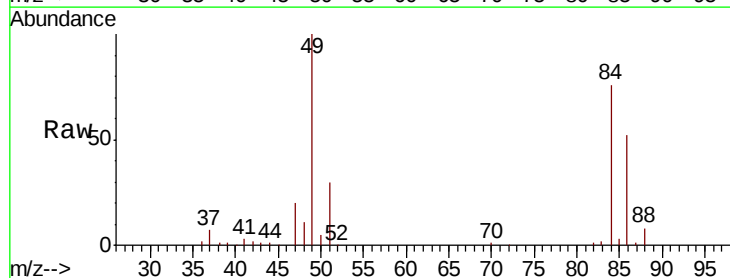
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

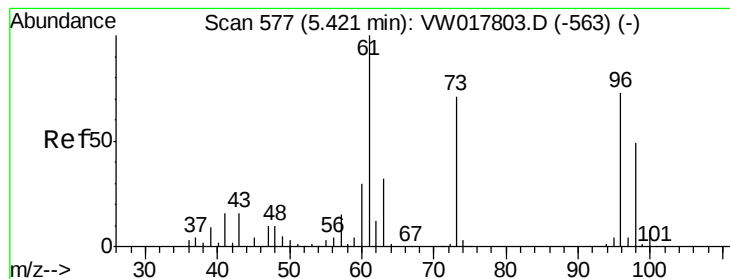
Tot Ion: 43 Resp: 37798
Ion Ratio Lower Upper
43 100
74 23.7 20.2 30.4



#16
Methylene chloride
Concen: 22.376 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017809.D
Acq: 08 Jan 2021 17:25

Tgt Ion: 84 Resp: 92170
Ion Ratio Lower Upper
84 100
49 131.3 90.5 168.1
86 67.9 44.8 83.2



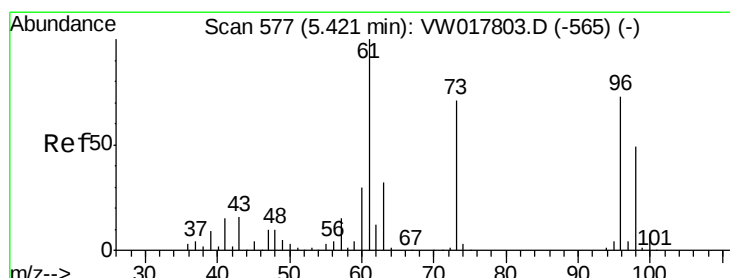
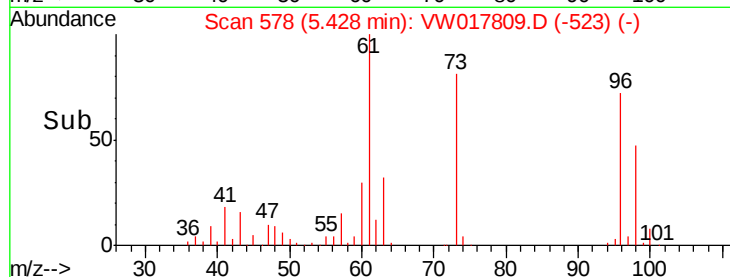
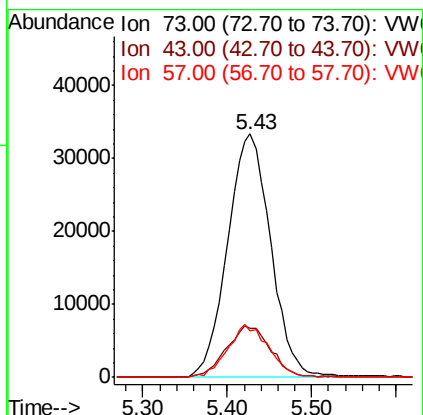
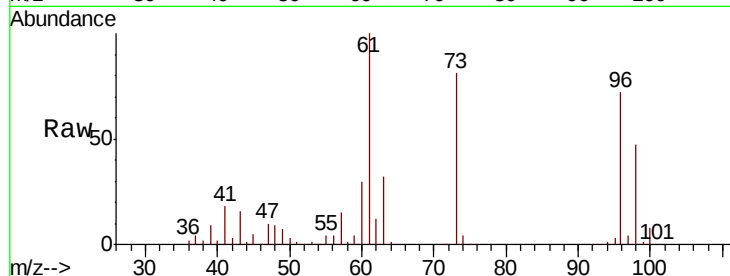


#17

Methvl tert-butvl Ether
 Concen: 25.743 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW017809.D
 Acq: 08 Jan 2021 17:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

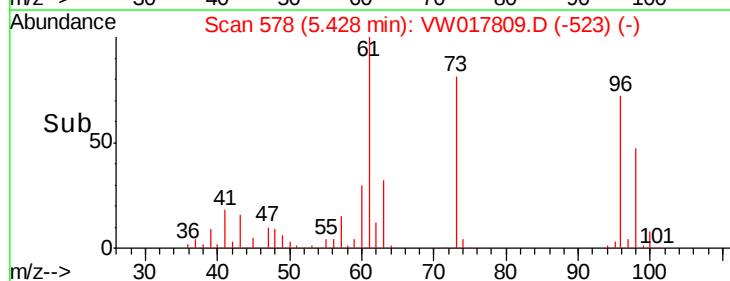
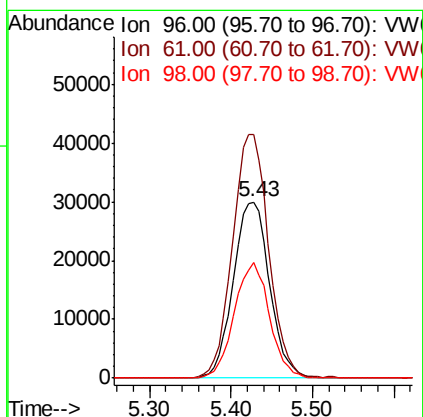
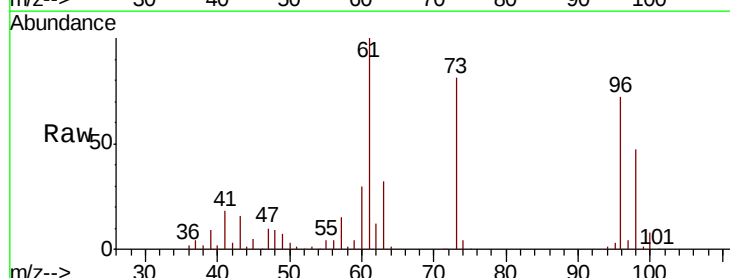
Tot Ion: 73 Resp: 115817
 Ion Ratio Lower Upper
 73 100
 43 21.3 17.1 25.7
 57 20.4 16.6 25.0

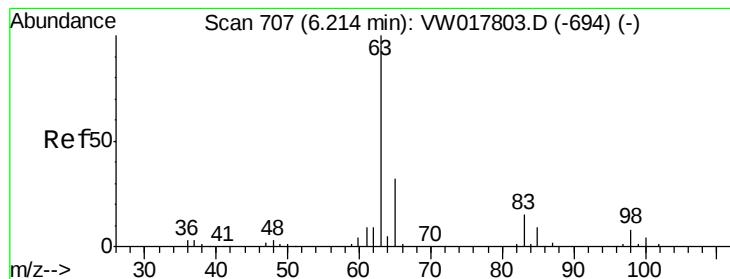


#18

trans-1,2-Dichloroethene
 Concen: 24.190 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW017809.D
 Acq: 08 Jan 2021 17:25

Tgt Ion: 96 Resp: 92625
 Ion Ratio Lower Upper
 96 100
 61 138.3 99.5 184.9
 98 65.4 45.8 85.2





#19

1,1-Dichloroethane

Concen: 25.292 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Instrument :

MSVOA_W

ClientSampled :

VSTD02512

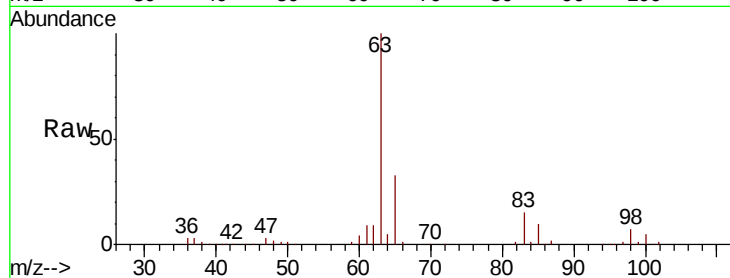
Tot Ion: 63 Resp: 165454

Ion Ratio Lower Upper

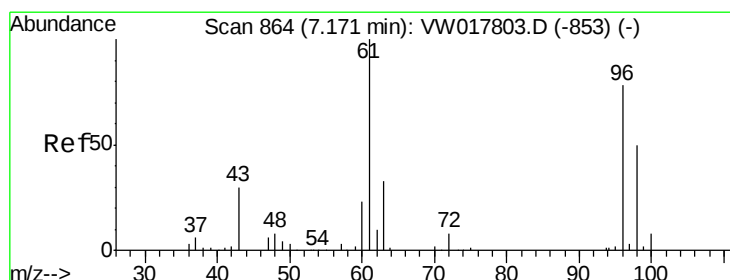
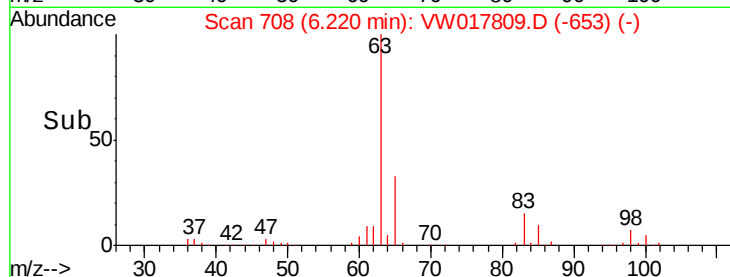
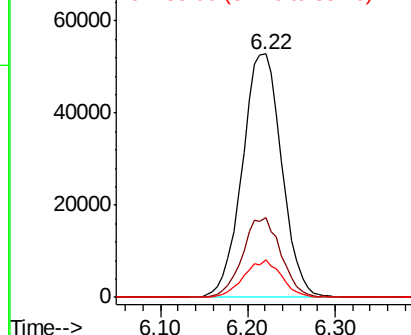
63 100

65 32.6 21.9 40.7

83 15.3 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: 59.708 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017809.D

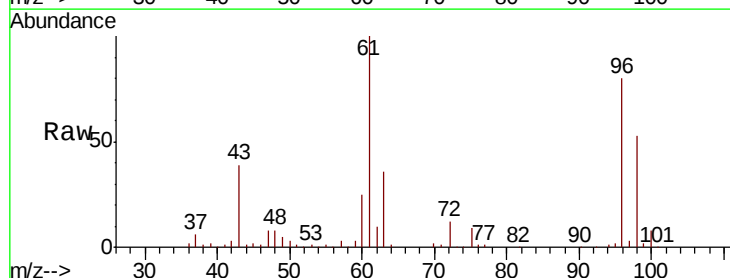
Acq: 08 Jan 2021 17:25

Tgt Ion: 43 Resp: 50096

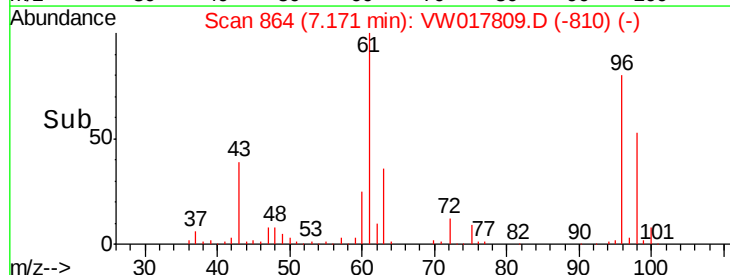
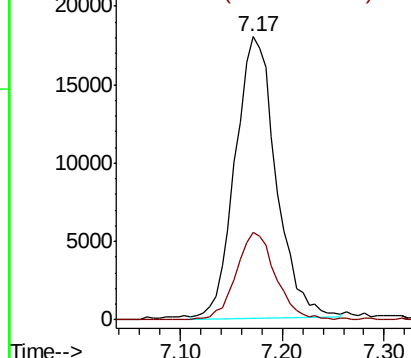
Ion Ratio Lower Upper

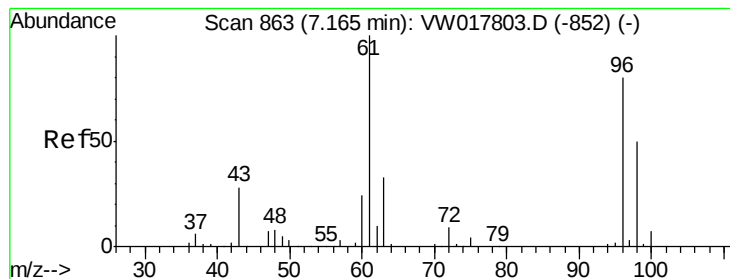
43 100

72 30.0 15.4 46.2



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



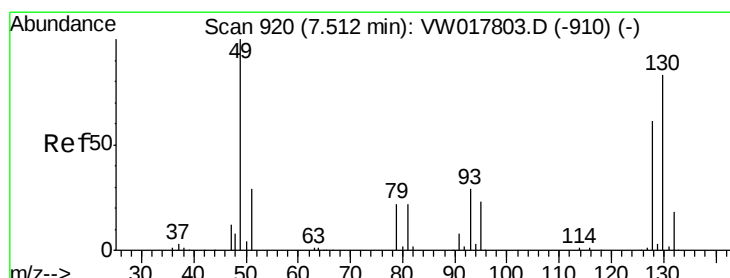
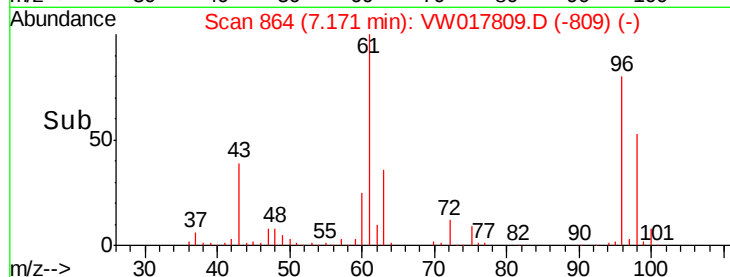
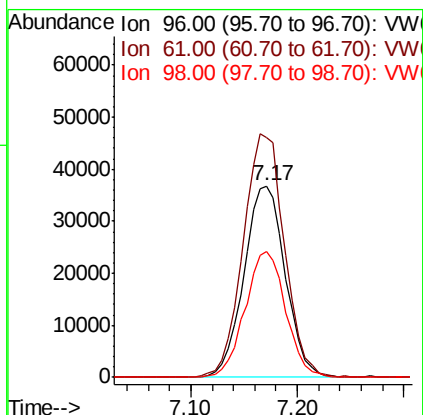
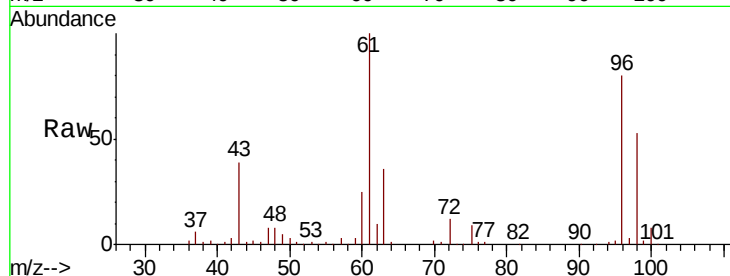


#22

cis-1,2-Dichloroethene
 Concen: 24.837 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW017809.D
 Acq: 08 Jan 2021 17:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

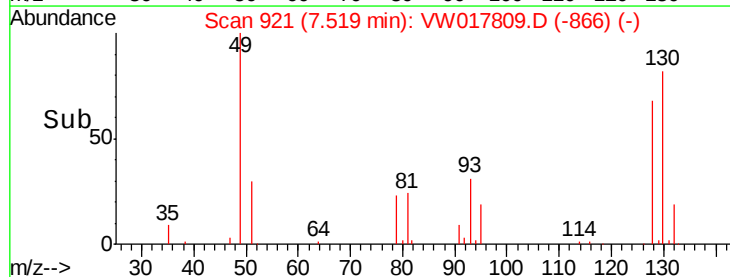
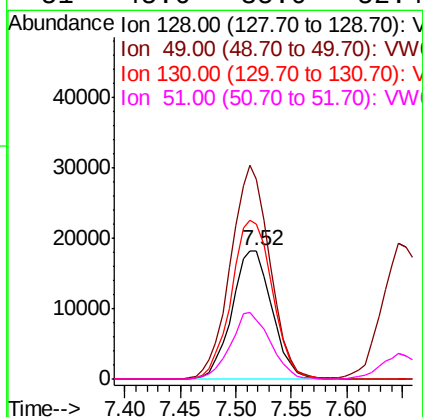
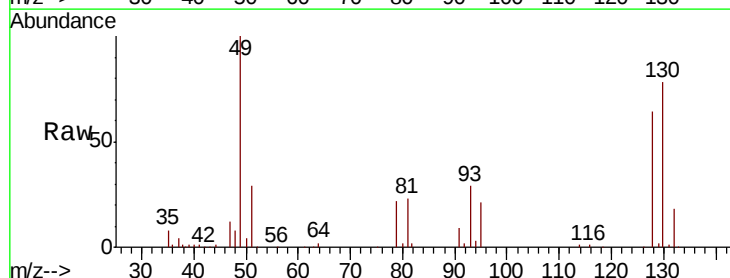
Tot Ion: 96 Resp: 99934
 Ion Ratio Lower Upper
 96 100
 61 125.1 88.2 163.8
 98 65.8 43.7 81.1

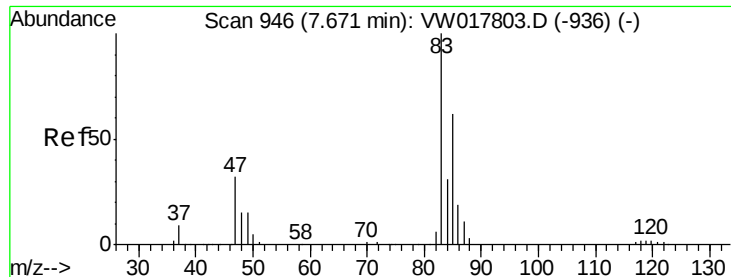


#23

Bromochloromethane
 Concen: 26.632 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW017809.D
 Acq: 08 Jan 2021 17:25

Tgt Ion: 128 Resp: 45393
 Ion Ratio Lower Upper
 128 100
 49 155.1 98.3 182.5
 130 120.7 84.4 156.7
 51 45.6 35.0 52.4

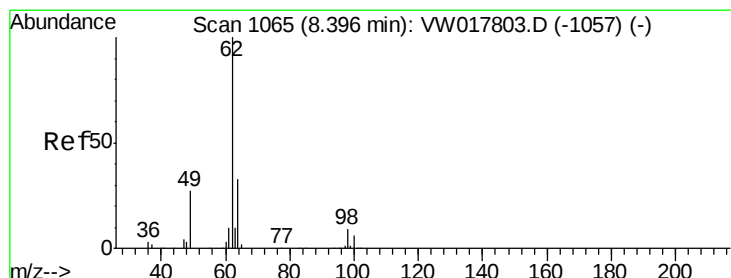
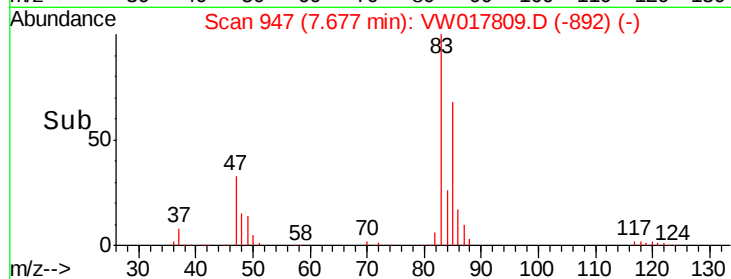
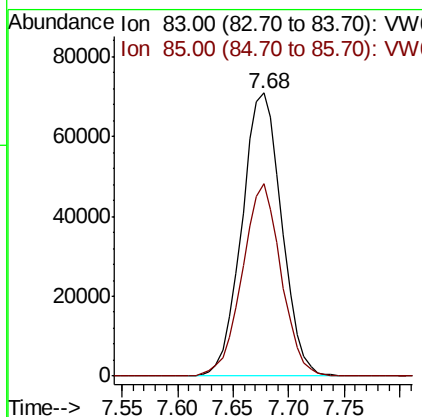
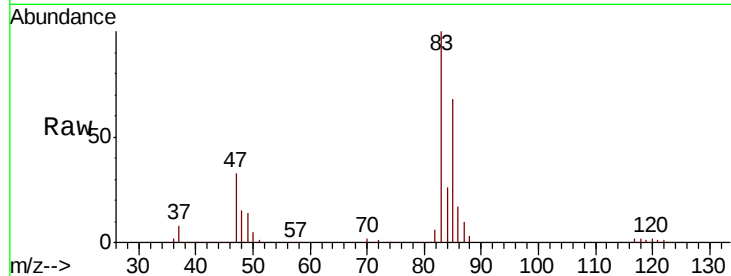




#25
Chloroform
Concen: 25.611 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW017809.D
Acq: 08 Jan 2021 17:25

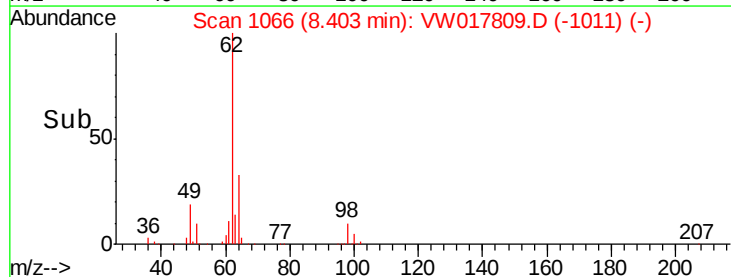
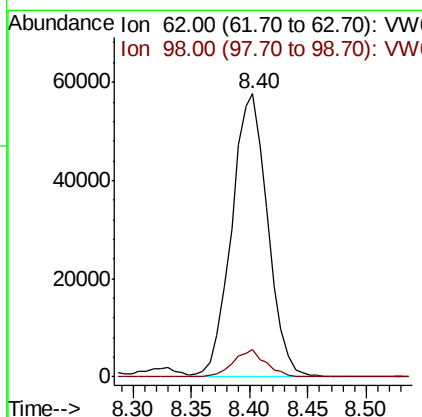
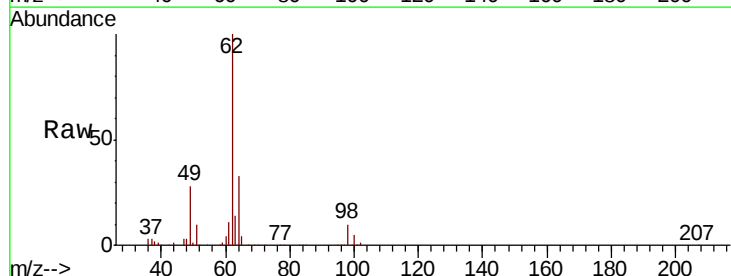
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

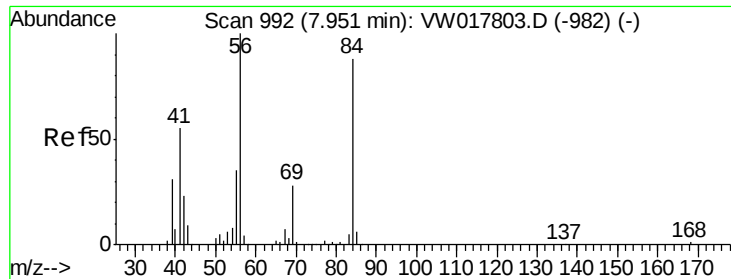
Tot Ion: 83 Resp: 176294
Ion Ratio Lower Upper
83 100
85 66.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 27.827 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW017809.D
Acq: 08 Jan 2021 17:25

Tgt Ion: 62 Resp: 123904
Ion Ratio Lower Upper
62 100
98 9.7 6.3 9.5#

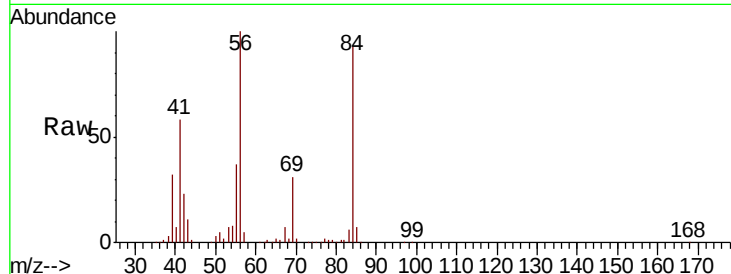




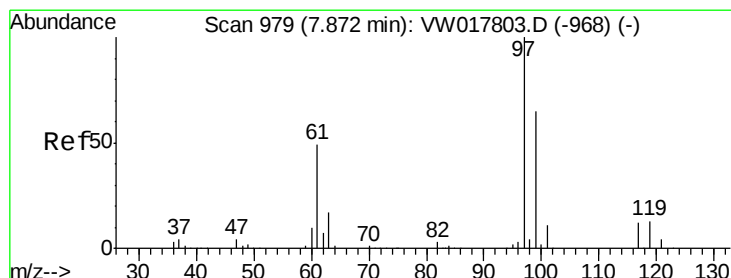
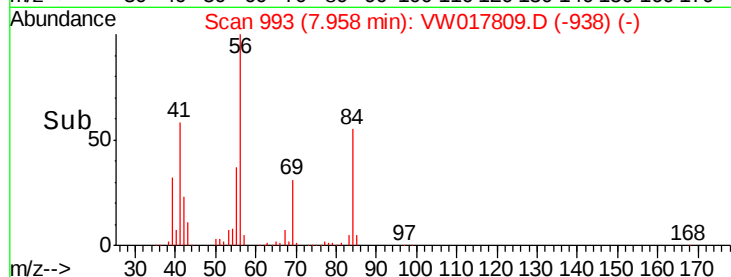
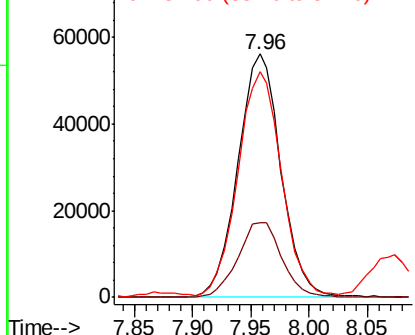
#30
Cyclohexane
Concen: 21.678 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW017809.D
Acq: 08 Jan 2021 17:25

Instrument :
MSVOA_W
ClientSampled :
VSTD02512

Tot Ion: 56 Resp: 144389
Ion Ratio Lower Upper
56 100
69 31.6 25.0 37.4
84 94.8 76.6 115.0

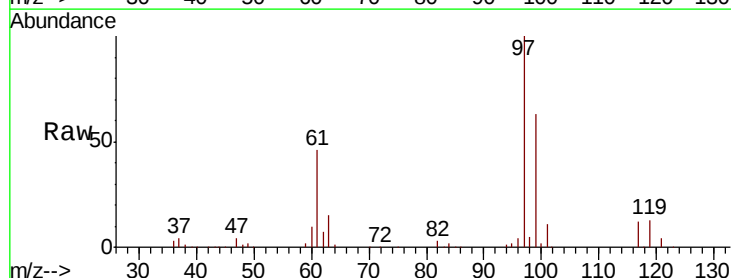


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

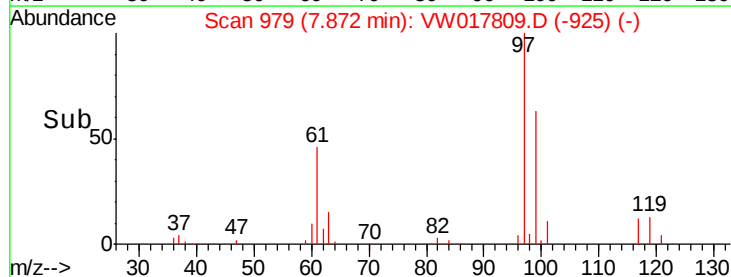
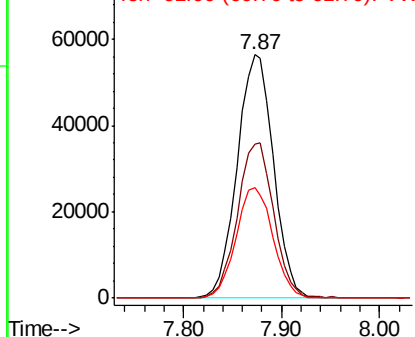


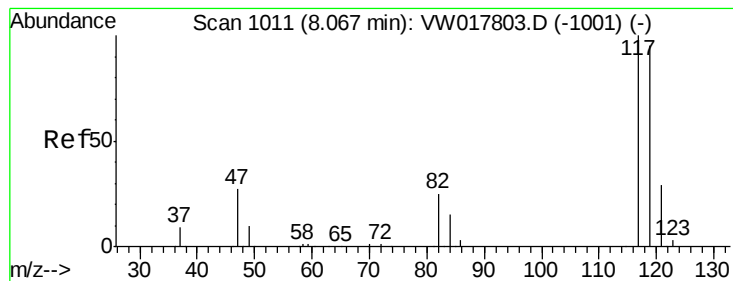
#31
1,1,1-Trichloroethane
Concen: 22.581 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW017809.D
Acq: 08 Jan 2021 17:25

Tgt Ion: 97 Resp: 145346
Ion Ratio Lower Upper
97 100
99 63.5 51.1 76.7
61 46.1 35.8 53.8



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 22.112 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Instrument :

MSVOA_W

ClientSampleId :

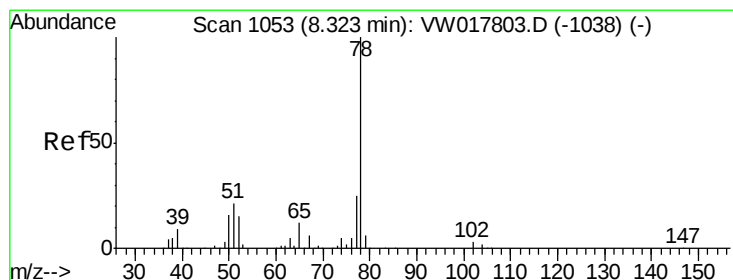
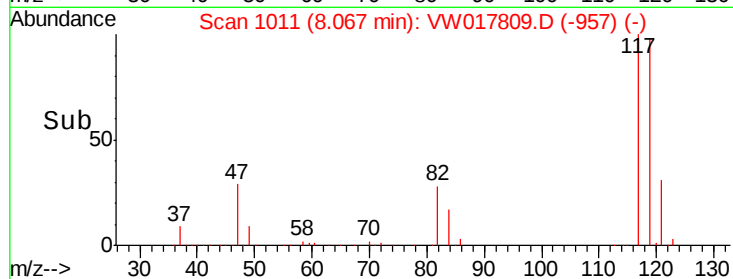
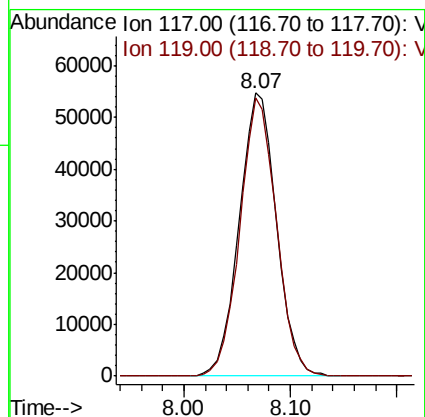
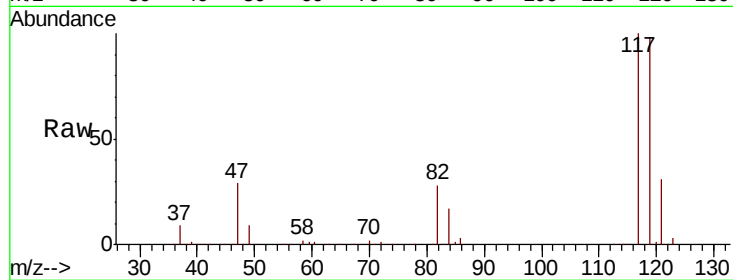
VSTD02512

Tot Ion:117 Resp: 134282

Ion Ratio Lower Upper

117 100

119 96.2 76.5 114.7



#34

Benzene

Concen: 23.680 ug/L

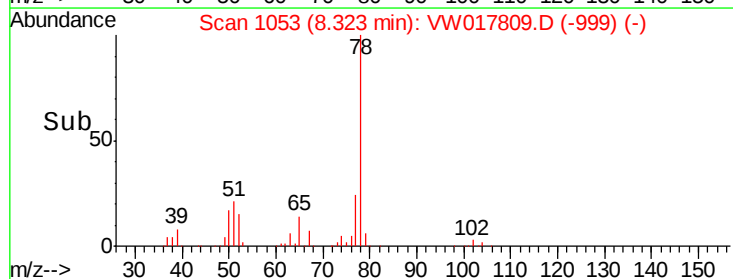
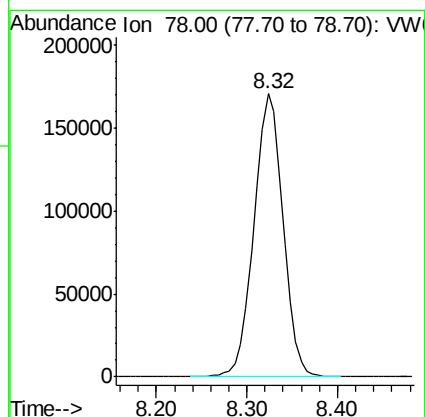
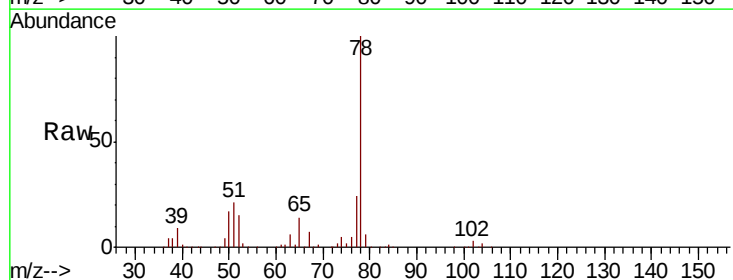
RT: 8.32 min Scan# 1053

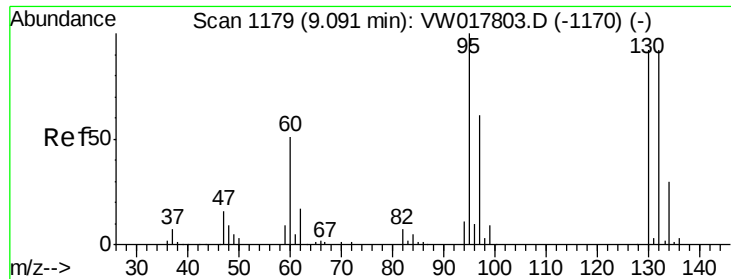
Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Tgt Ion: 78 Resp: 378869

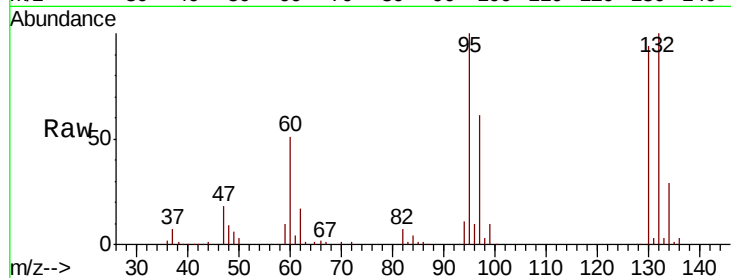




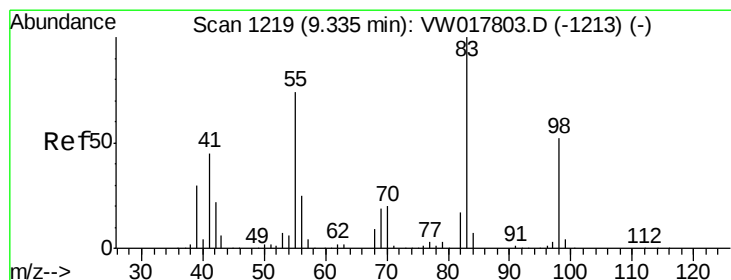
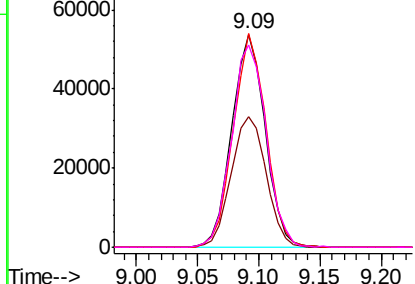
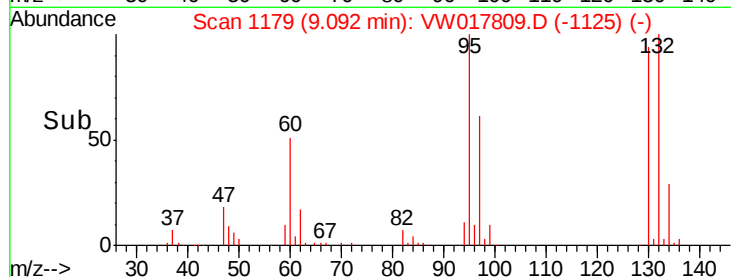
#35
 Trichloroethene
 Concen: 22.925 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017809.D
 Acq: 08 Jan 2021 17:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Tot Ion: 95 Resp: 101527
 Ion Ratio Lower Upper
 95 100
 97 64.5 46.8 87.0
 132 98.5 68.3 126.9
 130 98.5 71.8 133.4

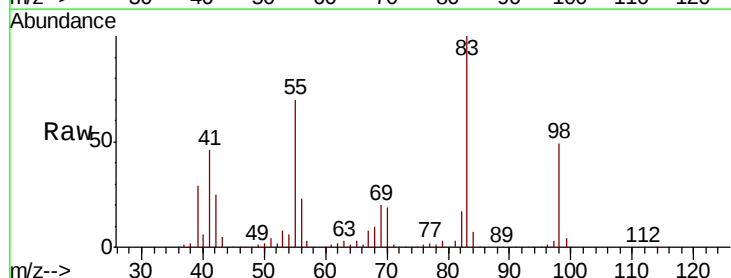


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

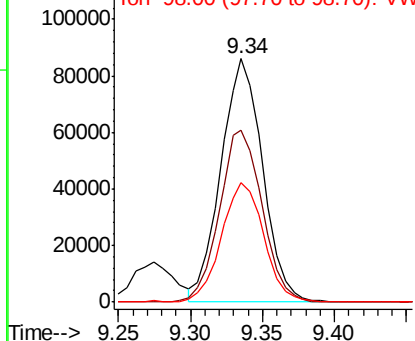
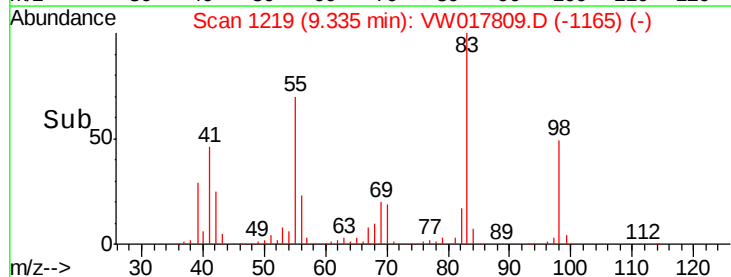


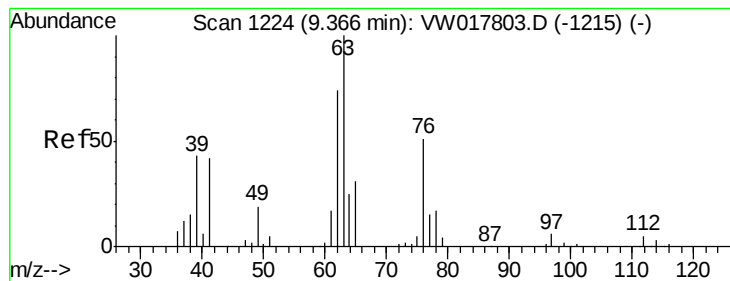
#36
 Methylcyclohexane
 Concen: 22.462 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW017809.D
 Acq: 08 Jan 2021 17:25

Tgt Ion: 83 Resp: 173901
 Ion Ratio Lower Upper
 83 100
 55 72.3 57.6 86.4
 98 49.6 39.7 59.5



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: 24.863 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Instrument :

MSVOA_W

ClientSampled :

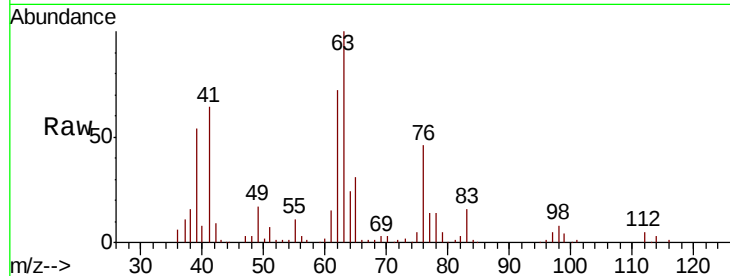
VSTD02512

Tot Ion: 63 Resp: 93911

Ion Ratio Lower Upper

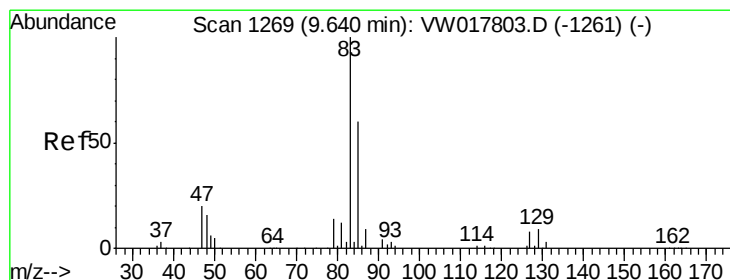
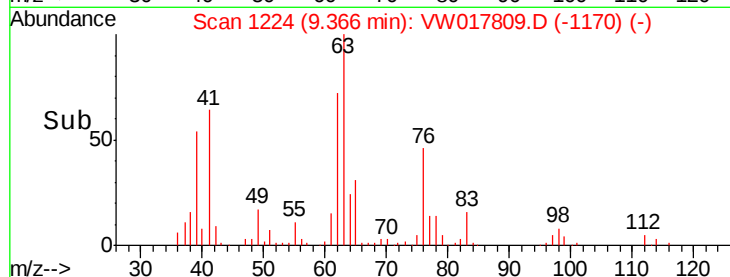
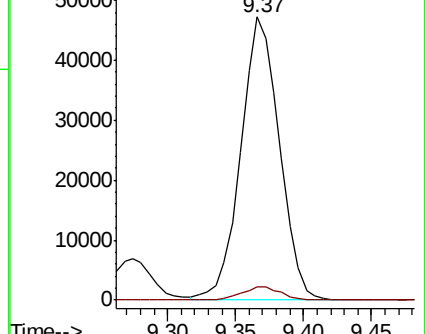
63 100

112 4.7 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.597 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

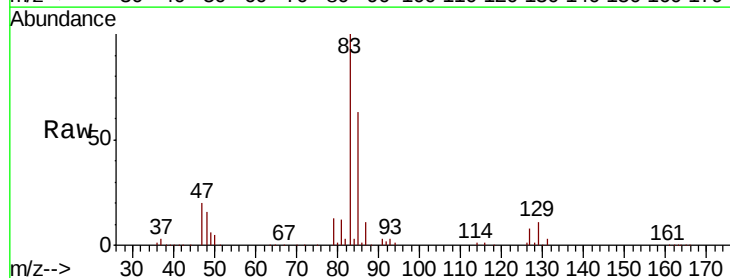
Tgt Ion: 83 Resp: 132344

Ion Ratio Lower Upper

83 100

85 62.6 44.5 82.7

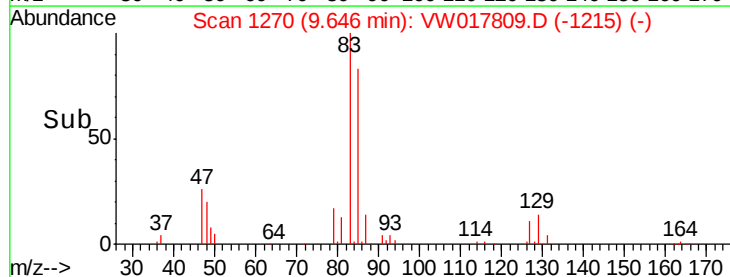
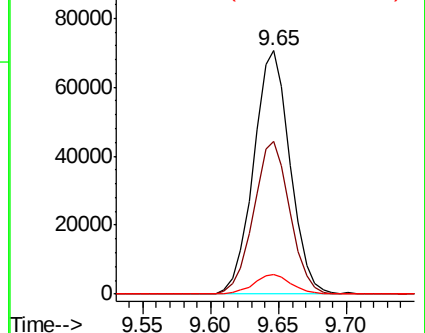
127 8.0 6.9 10.3

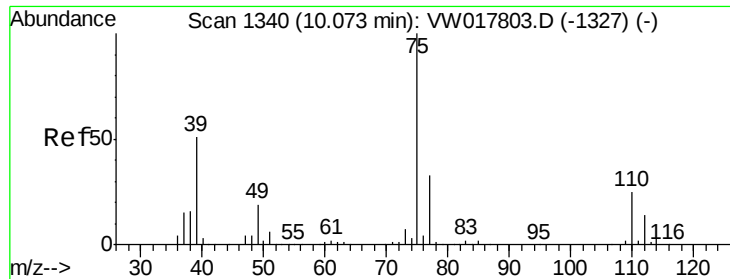


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 25.657 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Instrument :

MSVOA_W

ClientSampleId :

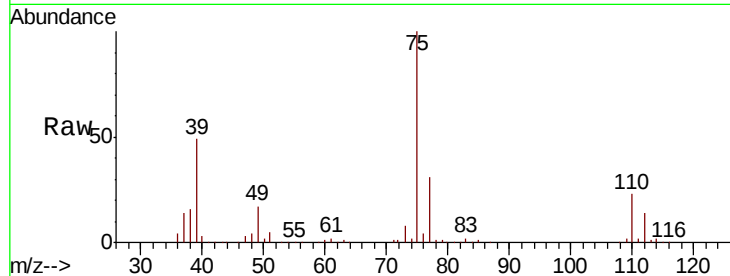
VSTD02512

Tot Ion: 75 Resp: 154644

Ion Ratio Lower Upper

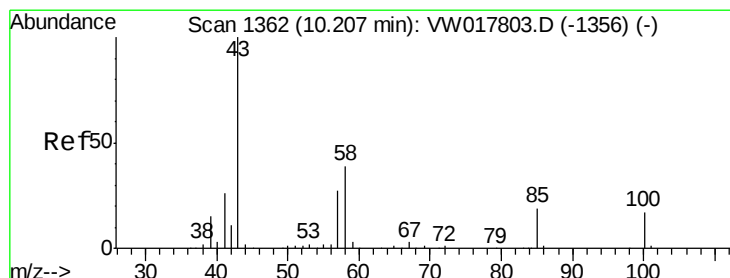
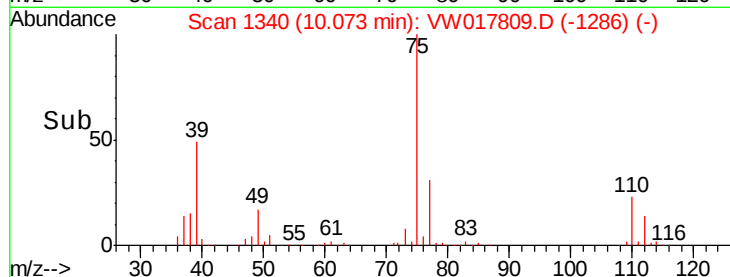
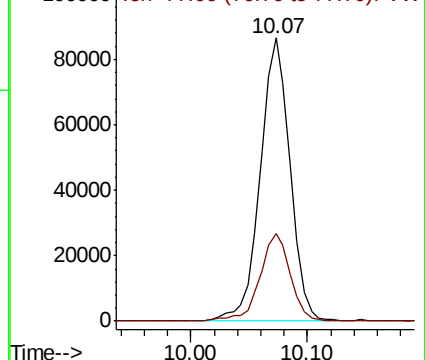
75 100

77 31.0 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 60.424 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

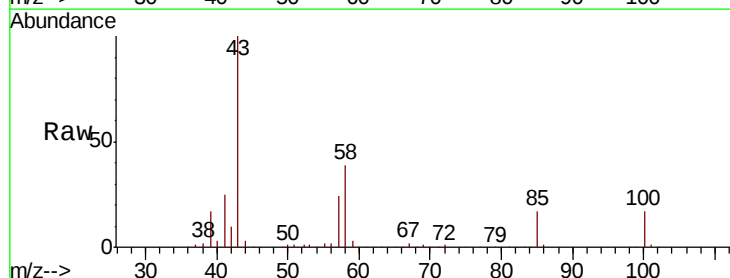
Tgt Ion: 43 Resp: 110880

Ion Ratio Lower Upper

43 100

58 39.9 31.0 46.4

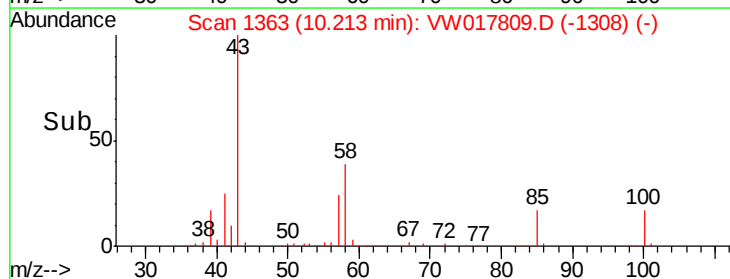
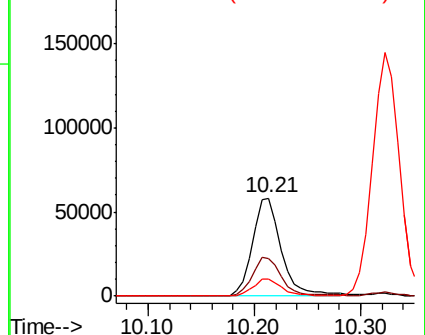
100 17.2 13.5 20.3

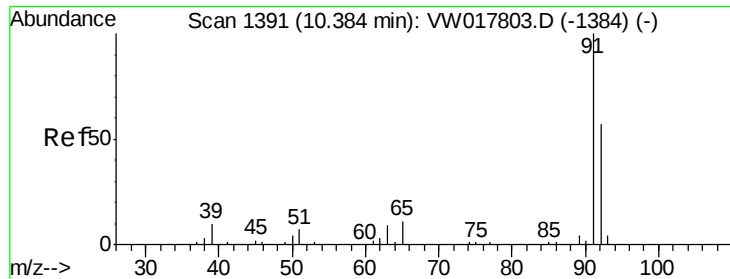


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 24.723 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Instrument :

MSVOA_W

ClientSampleId :

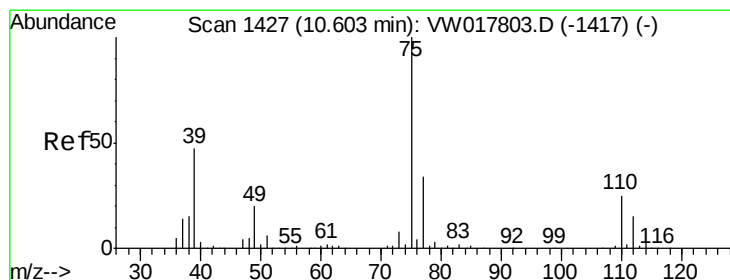
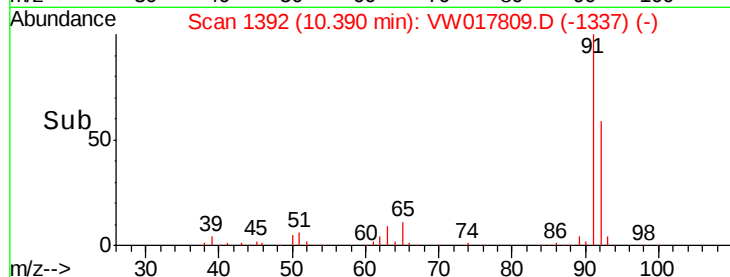
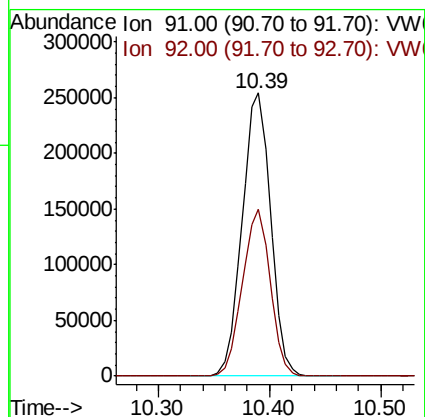
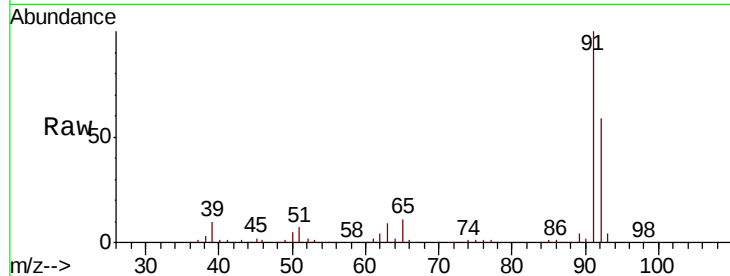
VSTD02512

Tot Ion: 91 Resp: 451054

Ion Ratio Lower Upper

91 100

92 59.1 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 26.263 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017809.D

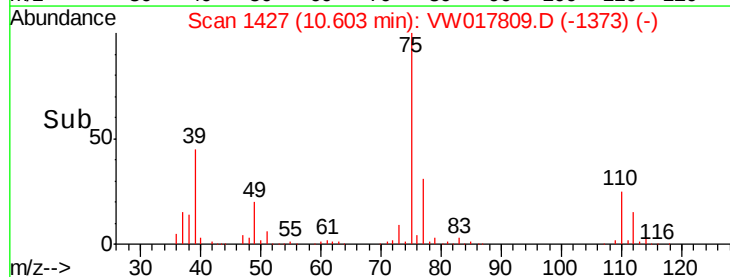
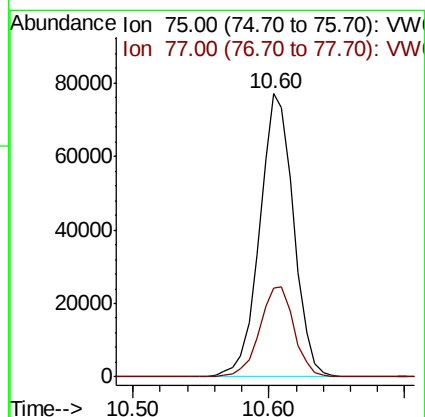
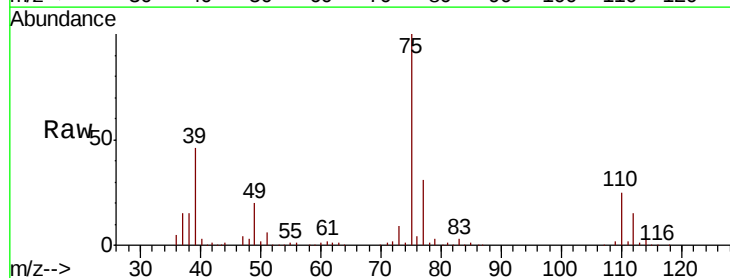
Acq: 08 Jan 2021 17:25

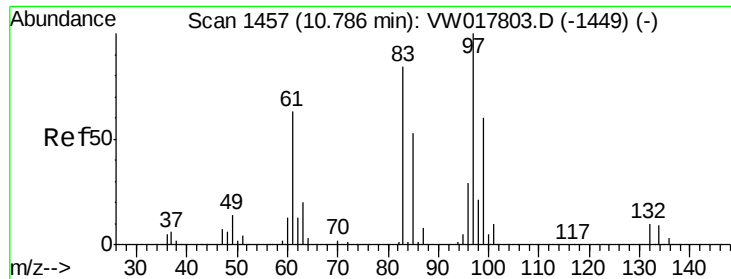
Tgt Ion: 75 Resp: 134800

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 27.237 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

Tot Ion: 97 Resp: 76467

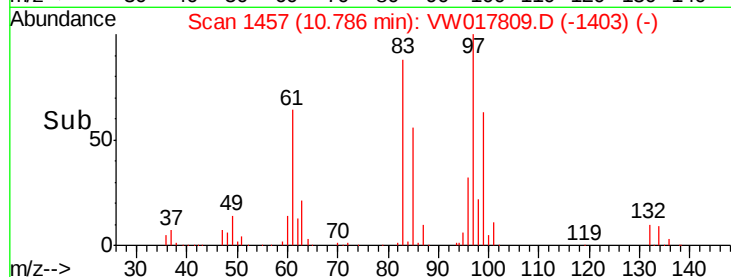
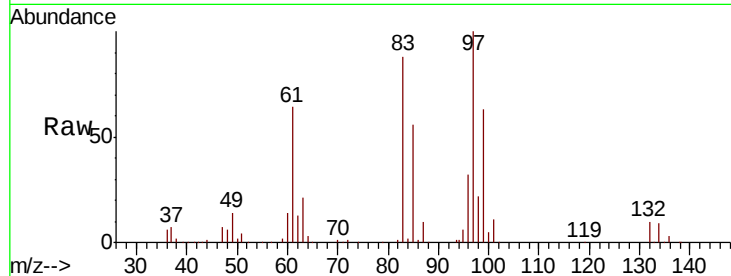
Ion	Ratio	Lower	Upper
97	100		
83	87.9	58.9	109.5
85	56.0	37.1	68.9
99	62.8	42.7	79.3

97 100

83 87.9 58.9 109.5

85 56.0 37.1 68.9

99 62.8 42.7 79.3



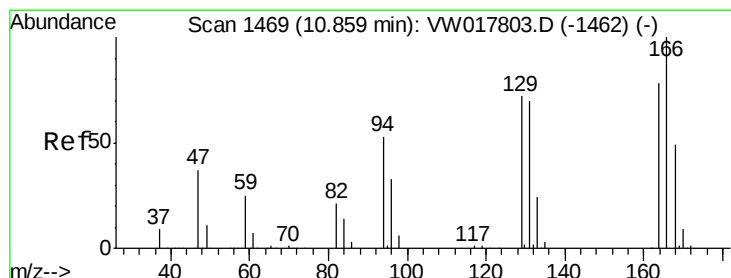
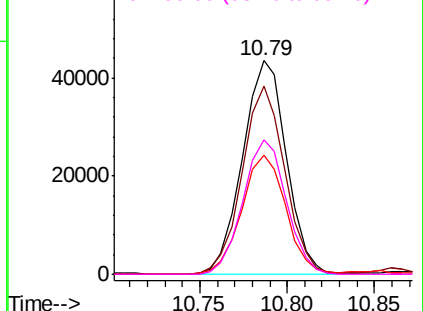
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 23.539 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Tgt Ion: 164 Resp: 81503

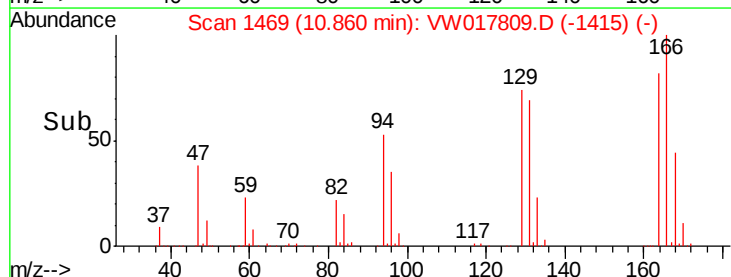
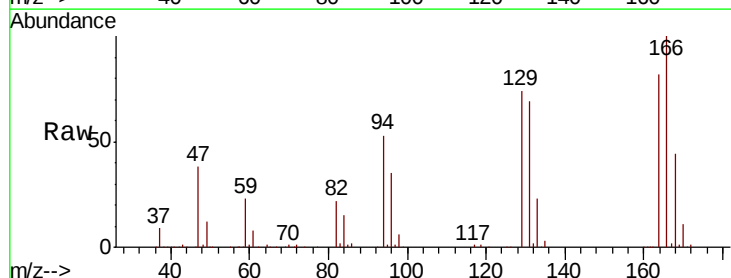
Ion	Ratio	Lower	Upper
164	100		
129	90.4	62.9	116.9
131	85.0	63.8	118.6
166	122.3	87.4	162.2

164 100

129 90.4 62.9 116.9

131 85.0 63.8 118.6

166 122.3 87.4 162.2



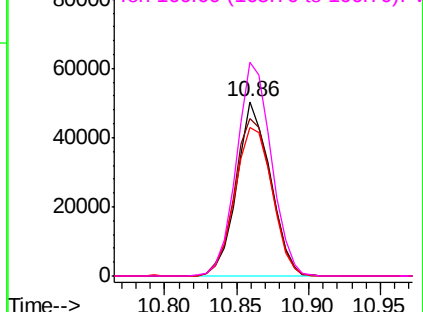
Abundance

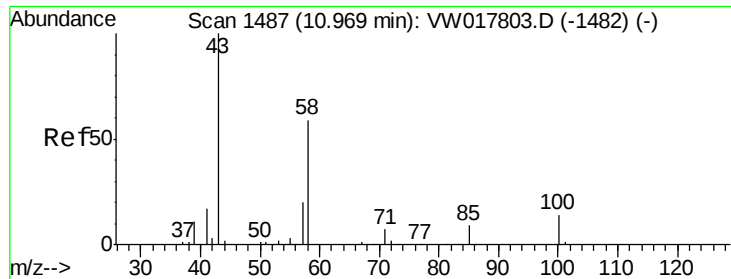
Ion 164.00 (163.70 to 164.70): V

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: 62.282 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

Tot Ion: 43 Resp: 81087

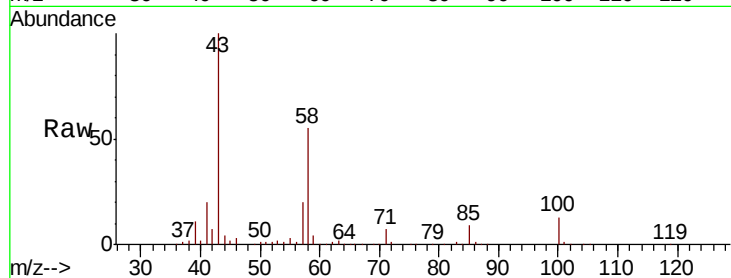
Ion Ratio Lower Upper

43 100

58 54.2 44.2 66.4

57 19.3 16.1 24.1

100 13.0 11.0 16.4

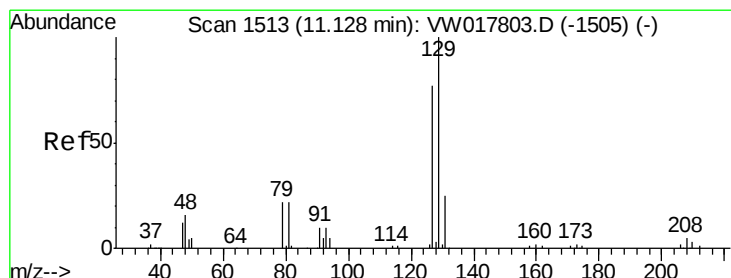
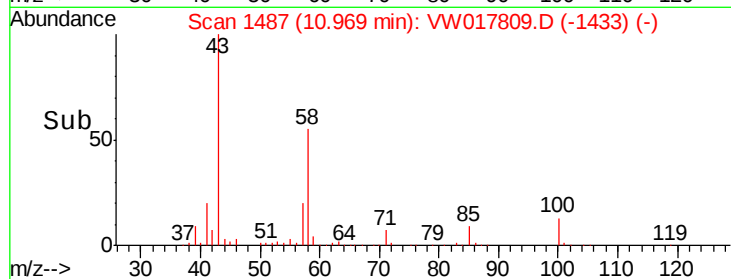
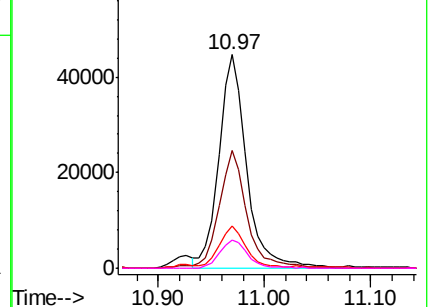


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 27.135 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017809.D

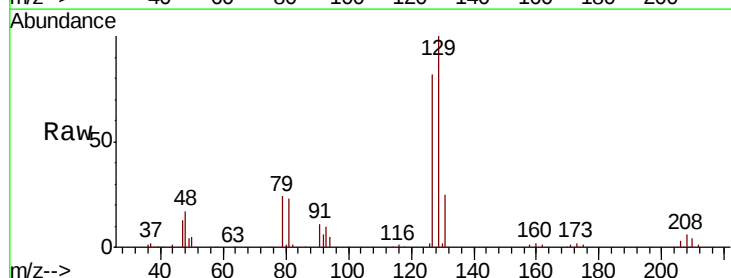
Acq: 08 Jan 2021 17:25

Tgt Ion:129 Resp: 90443

Ion Ratio Lower Upper

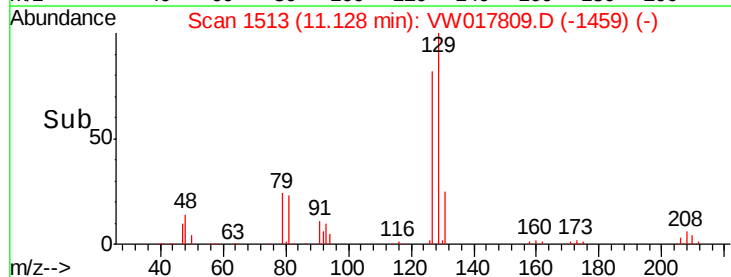
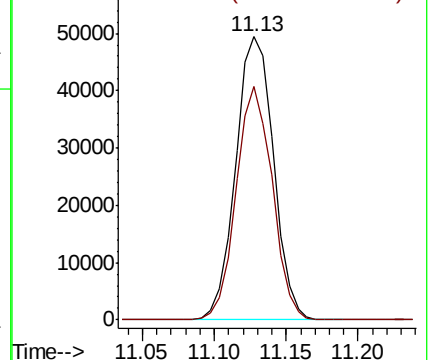
129 100

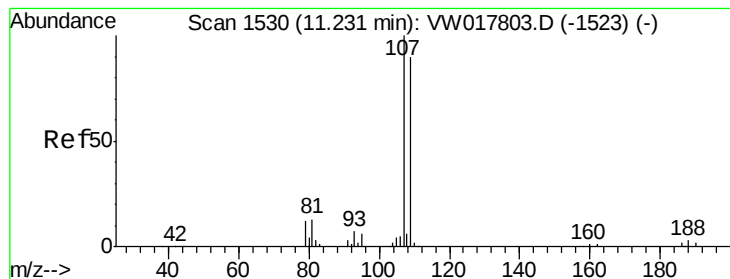
127 82.4 56.1 104.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 28.184 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

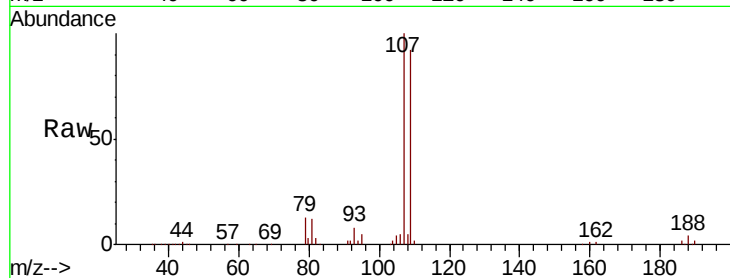
Tot Ion:107 Resp: 74910

Ion Ratio Lower Upper

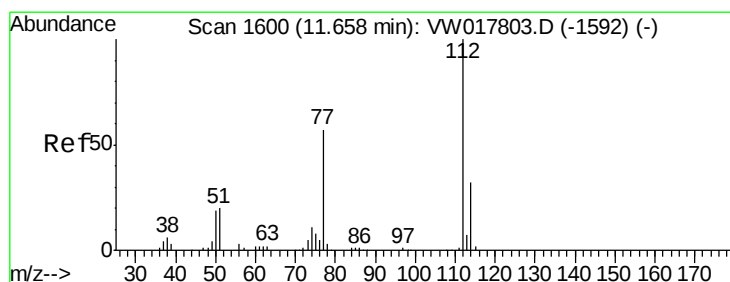
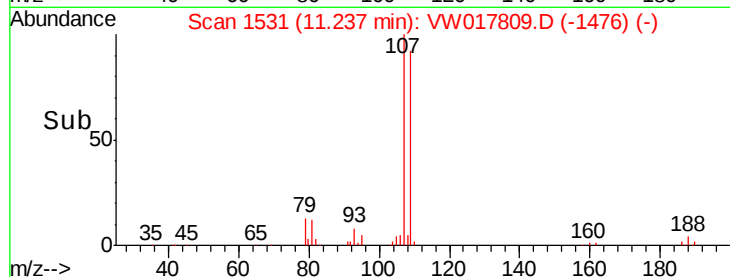
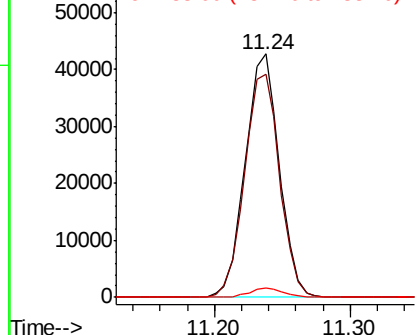
107 100

109 91.8 68.5 127.1

188 3.9 2.7 4.1



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.035 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

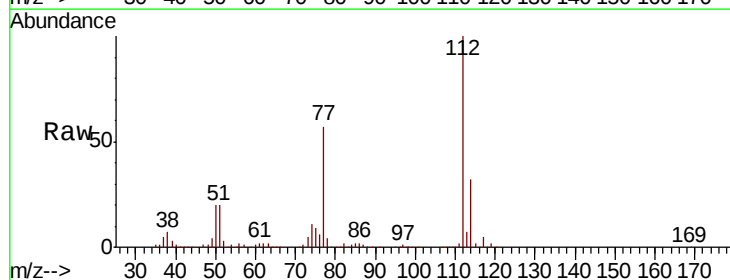
Tgt Ion:112 Resp: 285128

Ion Ratio Lower Upper

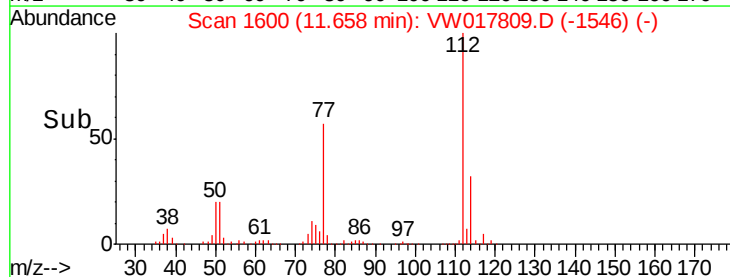
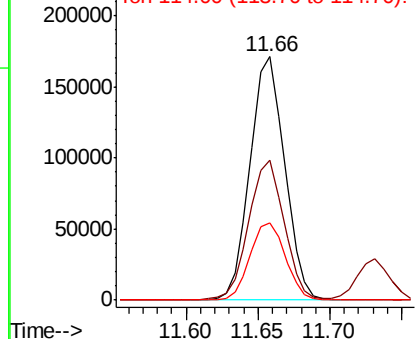
112 100

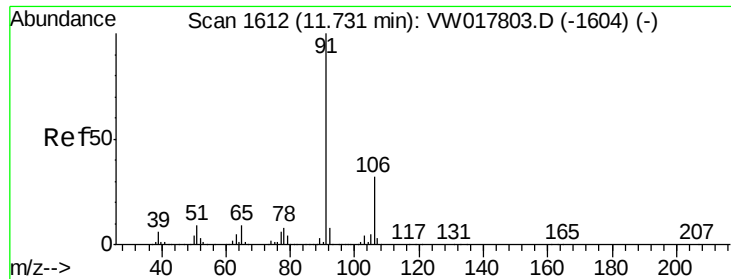
77 57.3 43.4 65.2

114 31.9 21.6 40.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

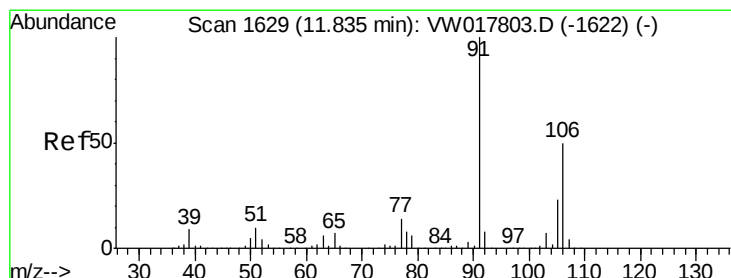
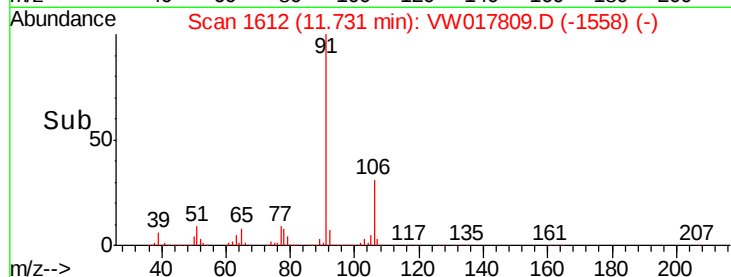
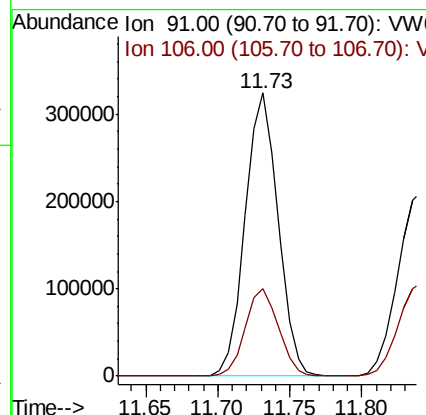
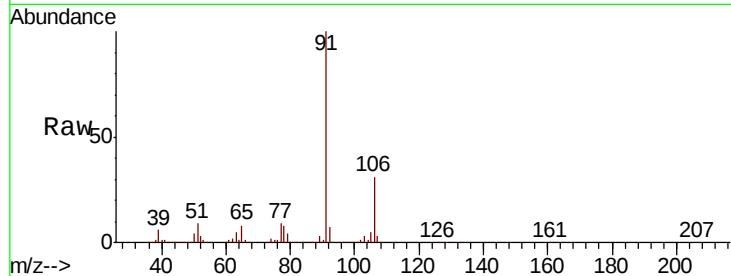




#53
Ethylbenzene
Concen: 24.790 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017809.D
Acq: 08 Jan 2021 17:25

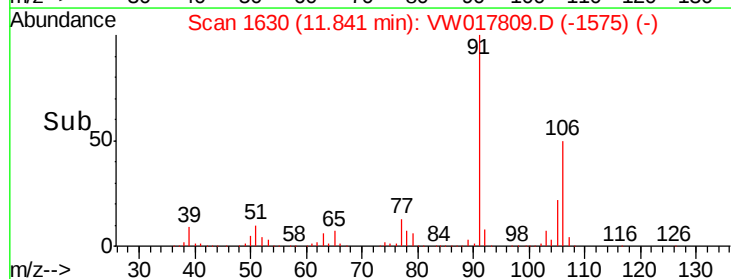
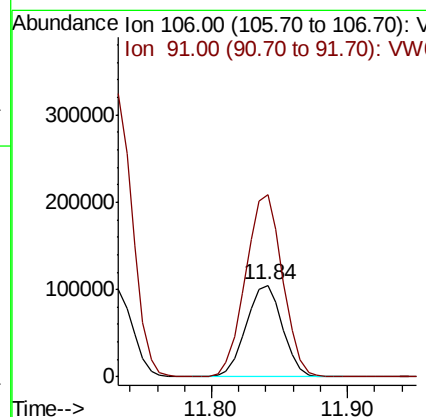
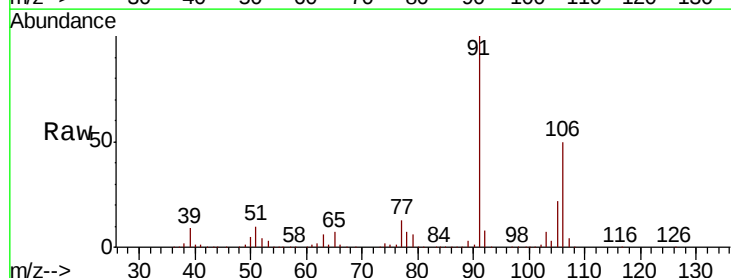
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

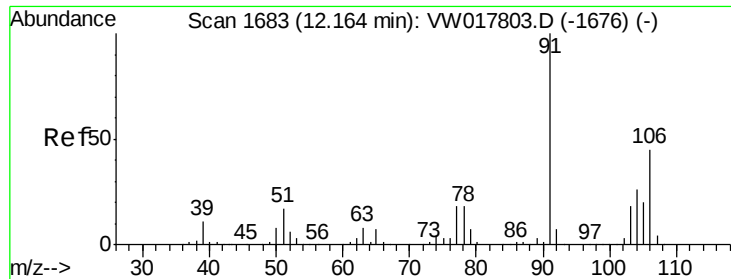
Tot Ion: 91 Resp: 513160
Ion Ratio Lower Upper
91 100
106 30.9 22.0 41.0



#54
m,p-Xylene
Concen: 24.225 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW017809.D
Acq: 08 Jan 2021 17:25

Tgt Ion: 106 Resp: 196172
Ion Ratio Lower Upper
106 100
91 198.5 141.6 263.0





#55

o-xylene

Concen: 24.356 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Instrument :

MSVOA_W

ClientSampleId :

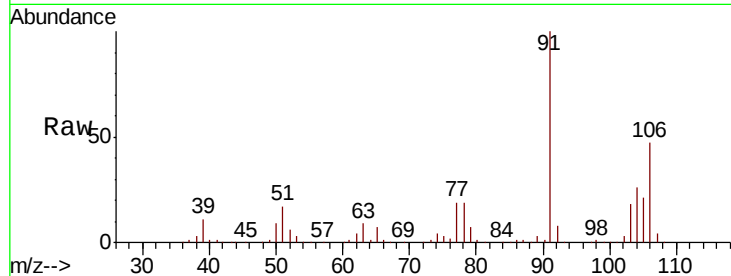
VSTD02512

Tot Ion:106 Resp: 185482

Ion Ratio Lower Upper

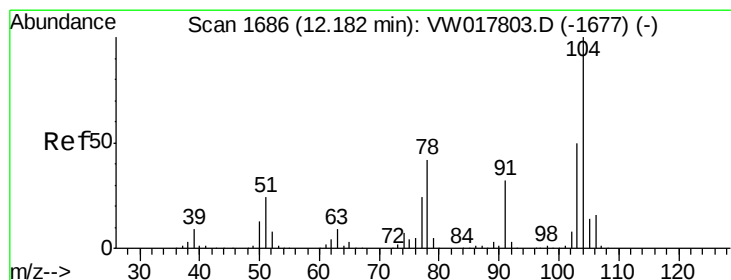
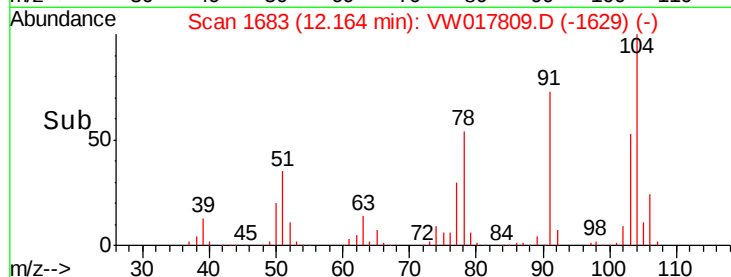
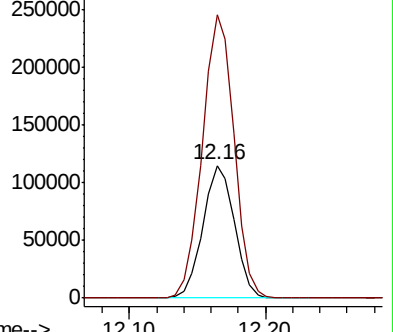
106 100

91 213.8 145.7 270.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.403 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW017809.D

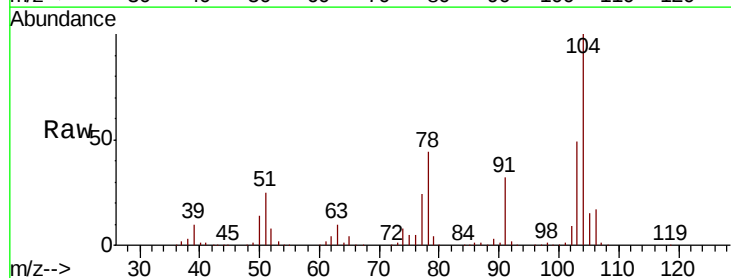
Acq: 08 Jan 2021 17:25

Tgt Ion:104 Resp: 321800

Ion Ratio Lower Upper

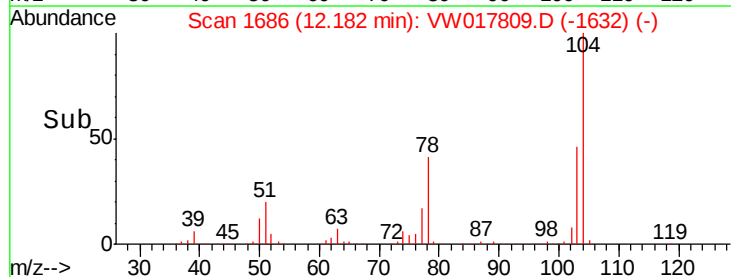
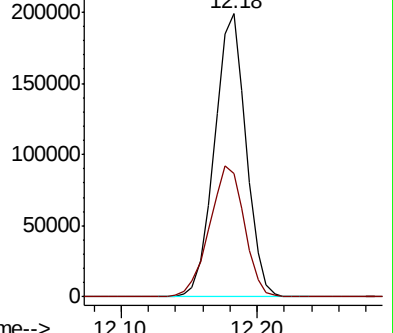
104 100

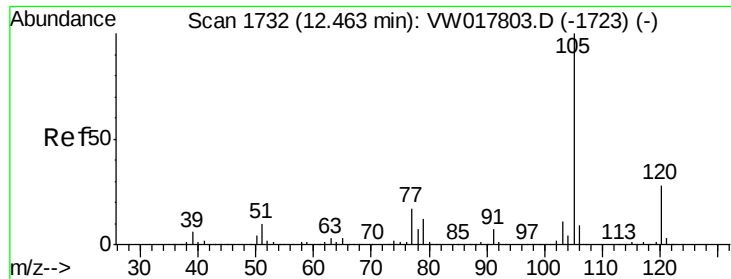
78 43.7 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.369 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

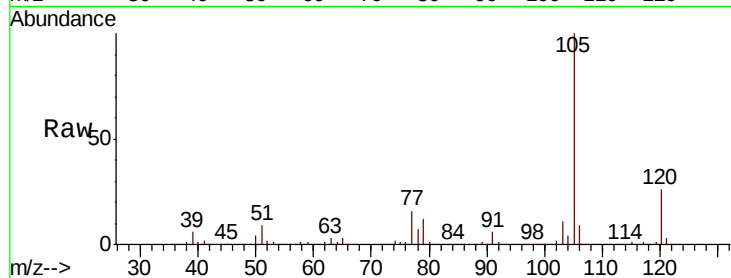
Tot Ion:105 Resp: 513803

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.2

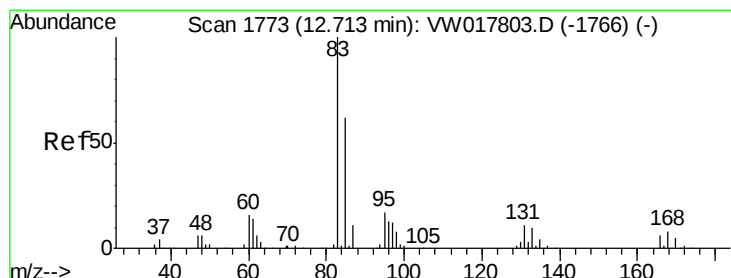
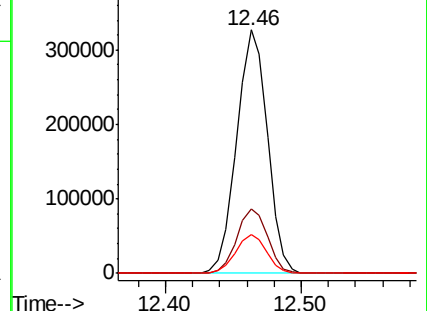
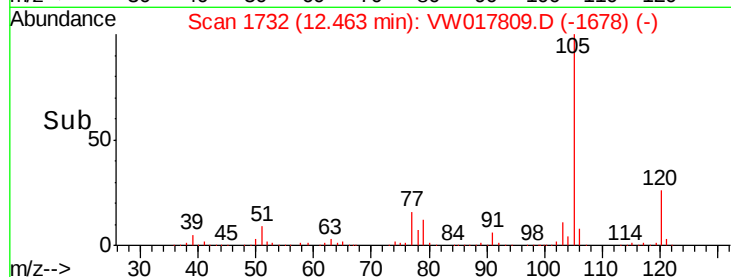
77 16.0 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 30.227 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

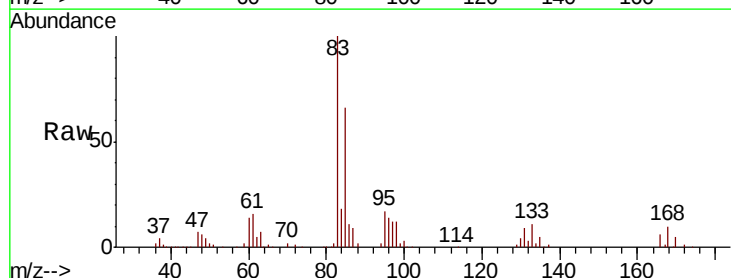
Tgt Ion: 83 Resp: 94719

Ion Ratio Lower Upper

83 100

85 66.3 45.6 84.8

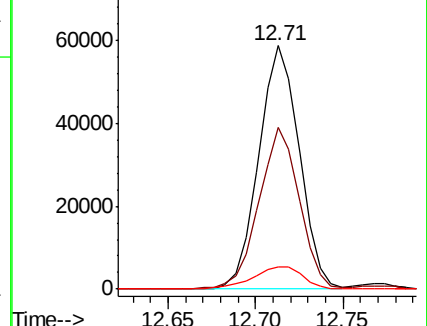
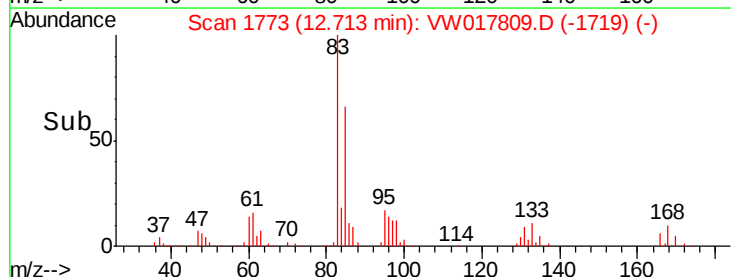
131 9.2 7.8 11.8

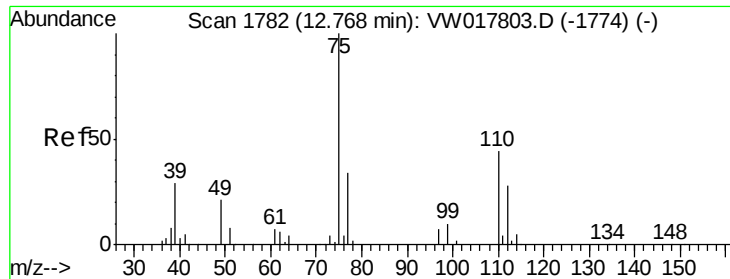


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 30.062 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Instrument :

MSVOA_W

ClientSampleId :

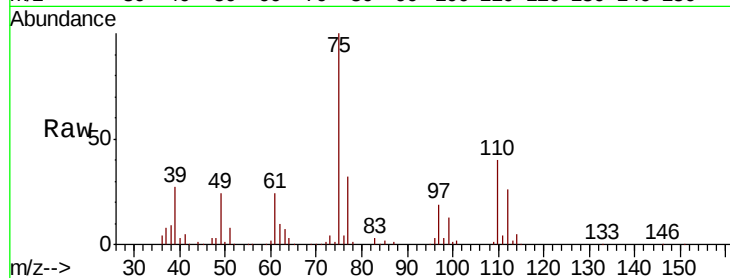
VSTD02512

Tot Ion: 75 Resp: 69247

Ion Ratio Lower Upper

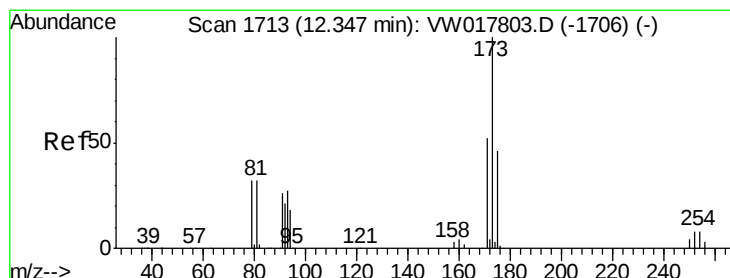
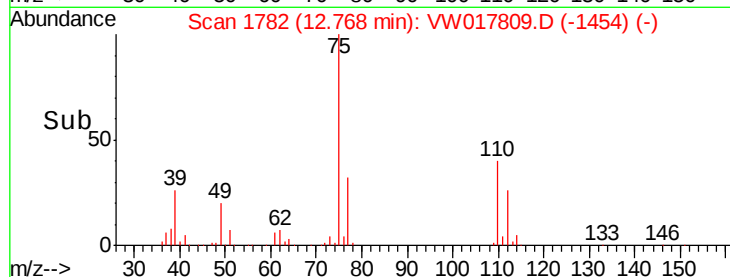
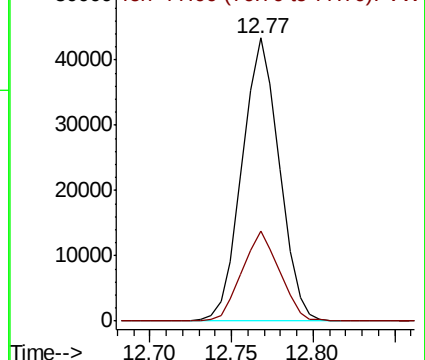
75 100

77 32.0 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 26.244 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

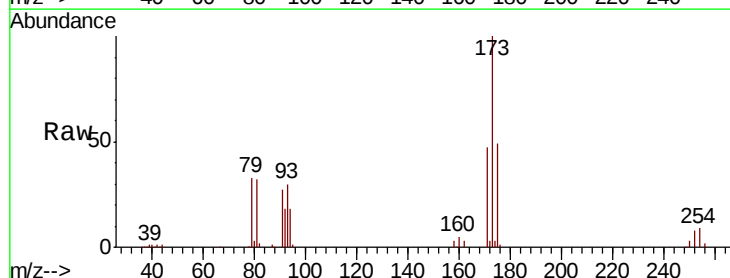
Tgt Ion: 173 Resp: 47362

Ion Ratio Lower Upper

173 100

175 50.4 38.1 57.1

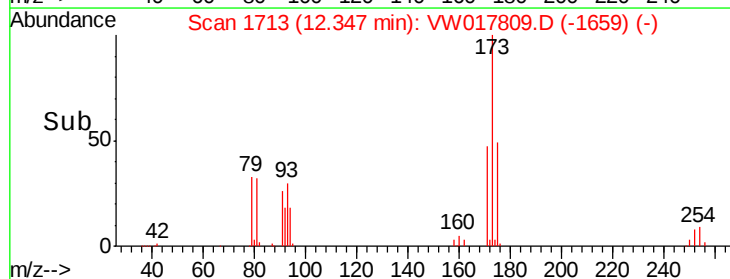
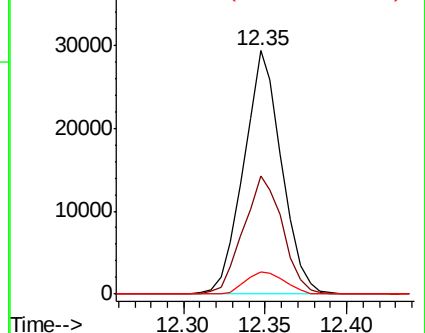
254 9.5 6.7 10.1

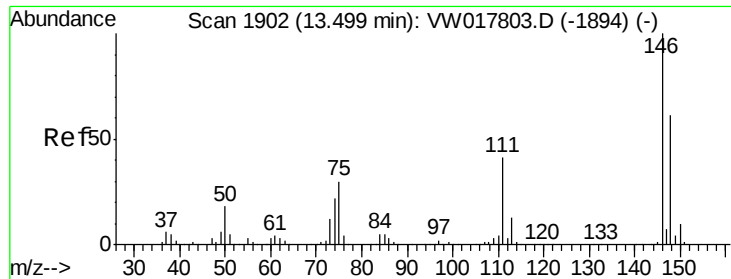


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

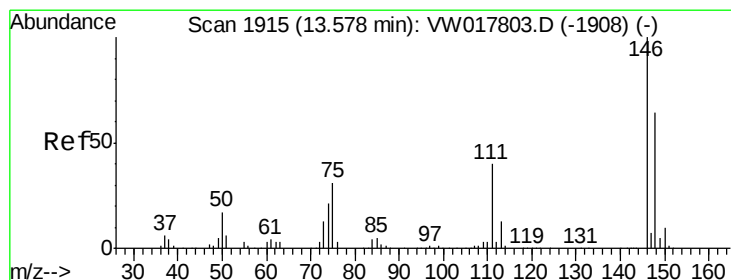
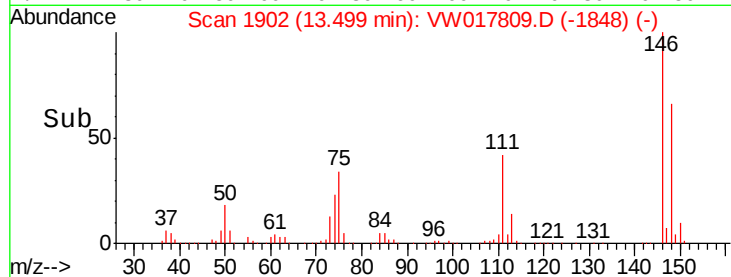
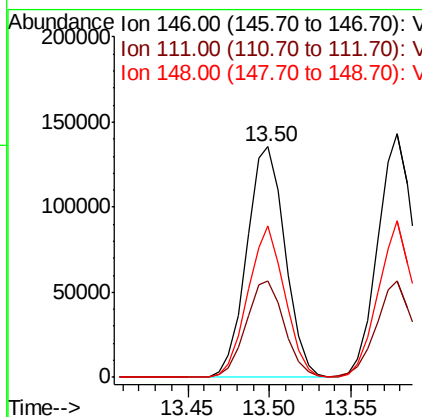
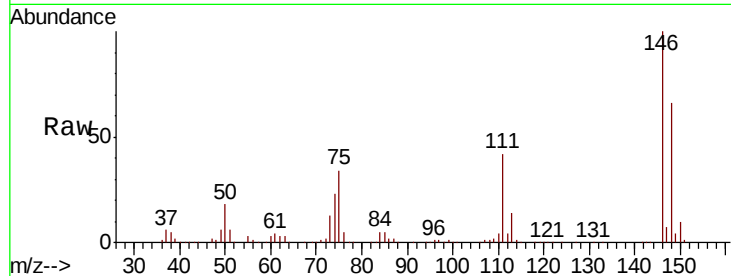




#63
 1,3-Dichlorobenzene
 Concen: 24.336 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017809.D
 Acq: 08 Jan 2021 17:25

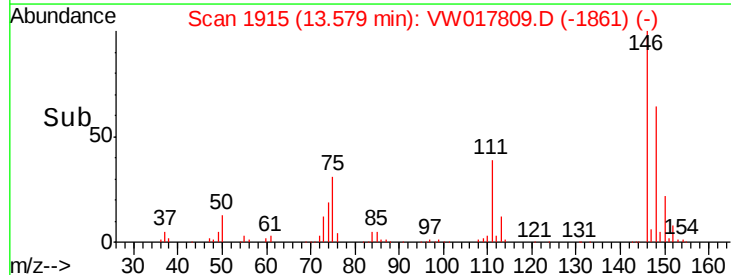
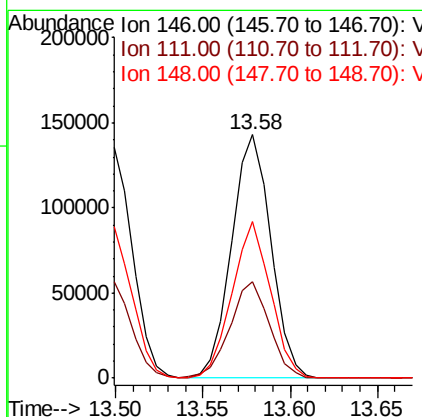
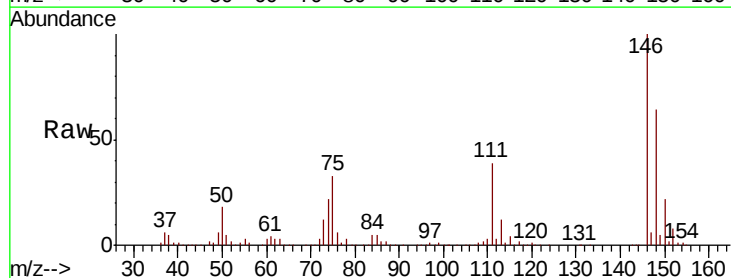
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

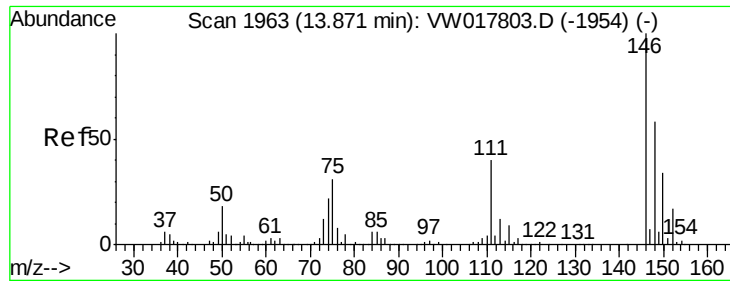
Tot Ion:146 Resp: 221543
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.5 54.7
 148 65.6 47.7 88.5



#64
 1,4-Dichlorobenzene
 Concen: 24.538 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017809.D
 Acq: 08 Jan 2021 17:25

Tgt Ion:146 Resp: 224477
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.7 51.5
 148 64.2 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 24.942 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

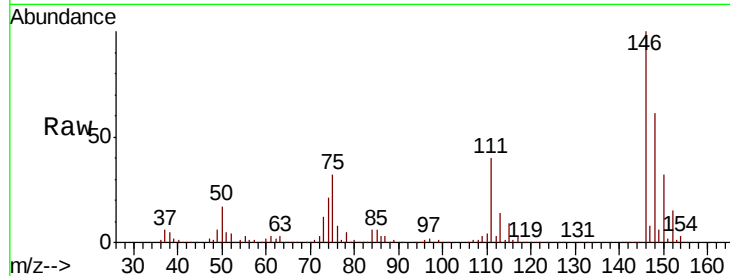
Tot Ion:146 Resp: 199514

Ion Ratio Lower Upper

146 100

111 40.0 34.4 51.6

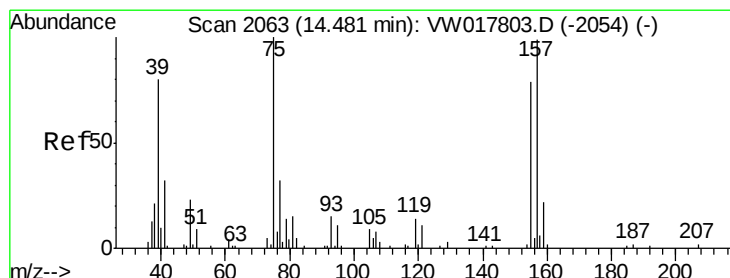
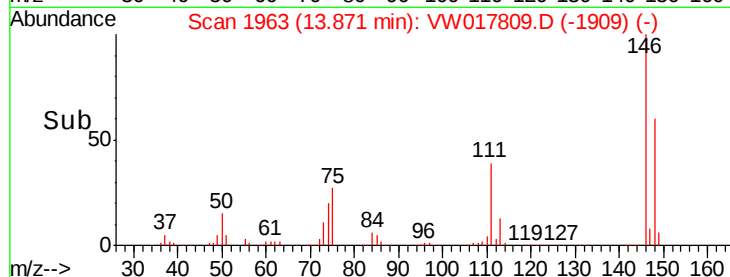
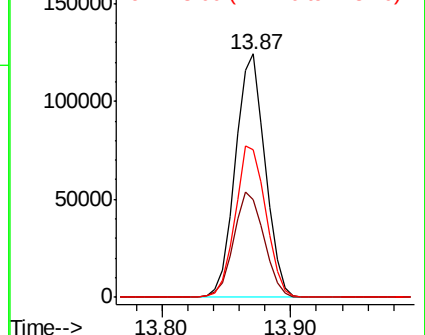
148 60.7 50.6 76.0



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: 27.697 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

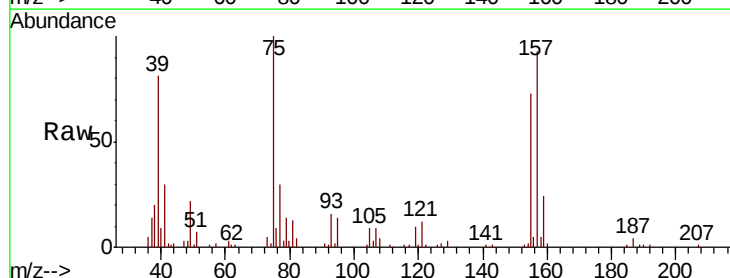
Tgt Ion: 75 Resp: 14592

Ion Ratio Lower Upper

75 100

157 93.3 70.2 105.4

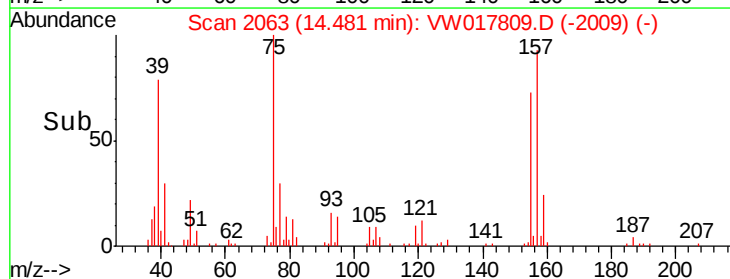
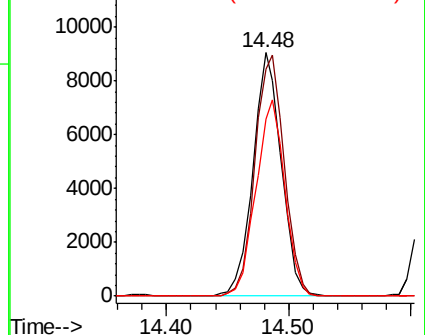
155 72.7 59.8 89.6

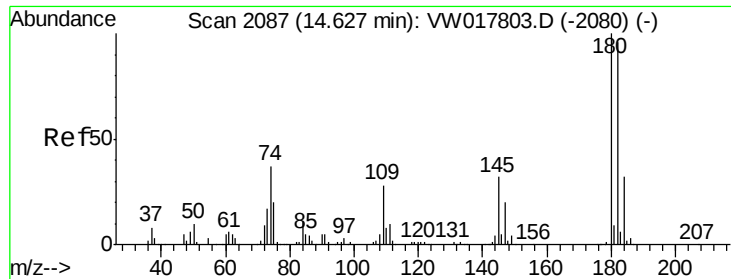


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

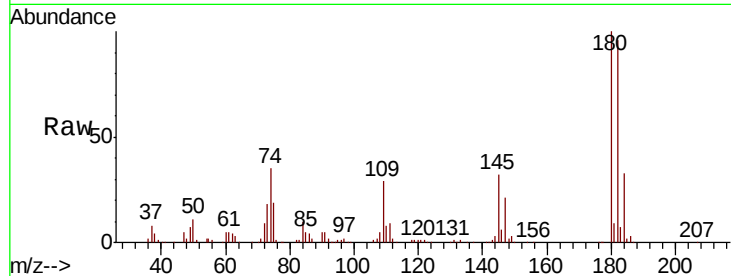




#67
 1,3,5-Trichlorobenzene
 Concen: 24.148 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017809.D
 Acq: 08 Jan 2021 17:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.2
184	32.0	23.6	35.4
145	32.5	25.2	37.8



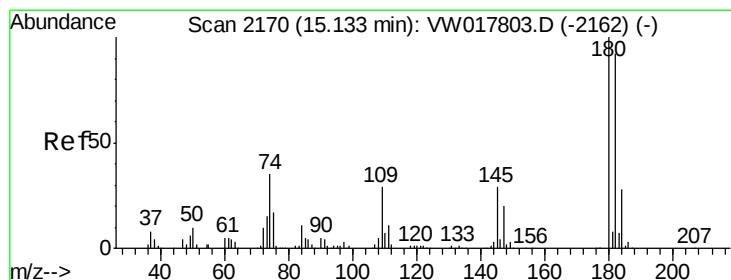
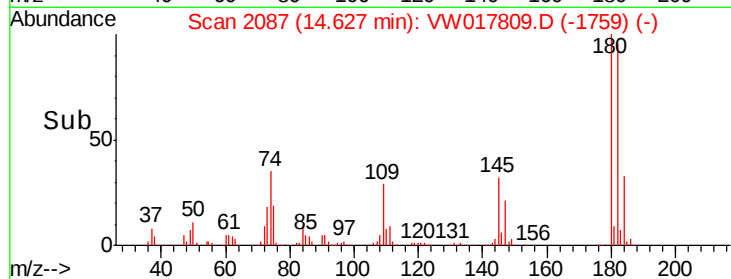
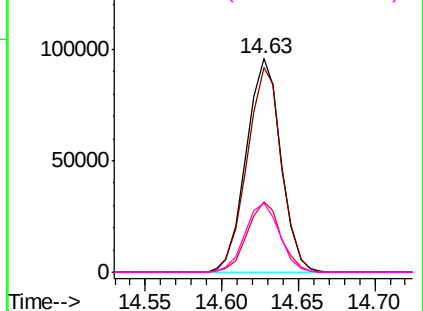
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

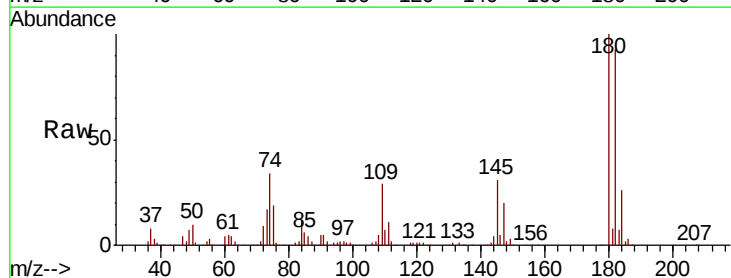
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.287 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017809.D
 Acq: 08 Jan 2021 17:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.3	73.0	109.6
145	31.2	25.8	38.6

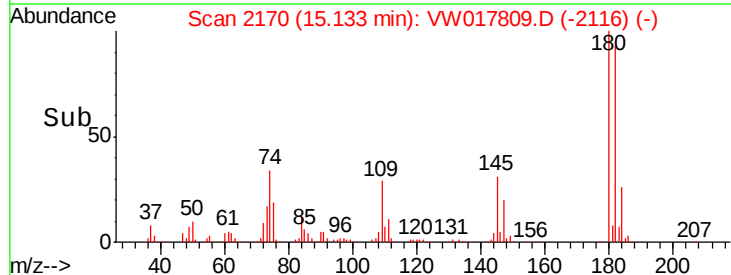
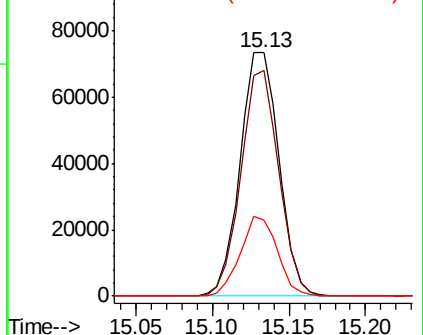


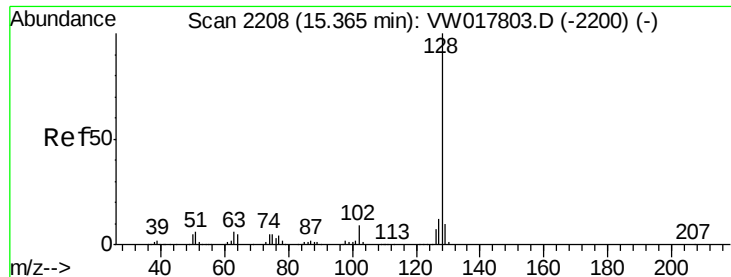
Abundance

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: 27.329 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

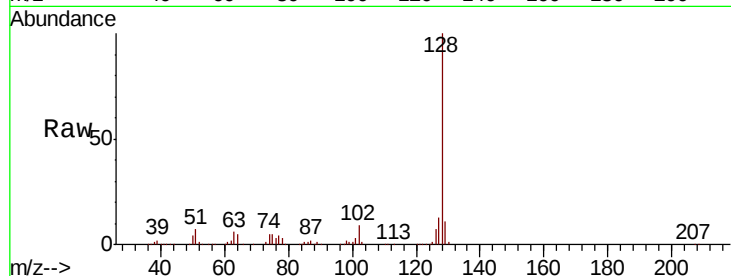
Tot Ion:128 Resp: 267348

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

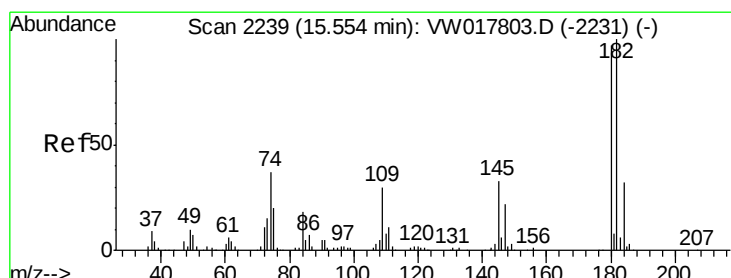
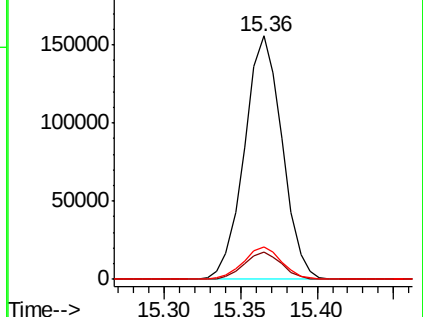
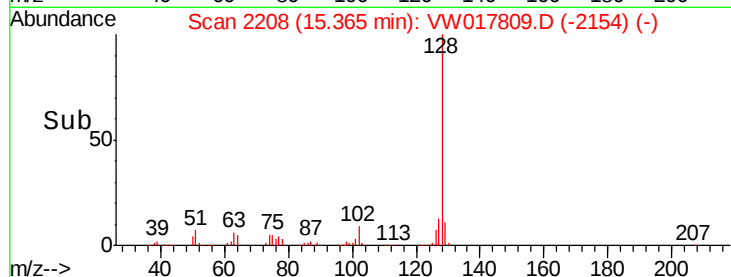
127 13.6 10.6 15.8



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: 25.702 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017809.D

Acq: 08 Jan 2021 17:25

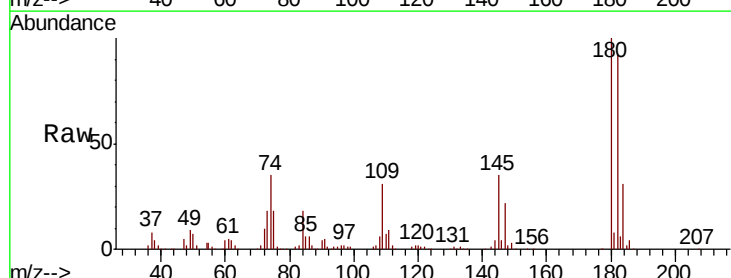
Tgt Ion:180 Resp: 111490

Ion Ratio Lower Upper

180 100

182 94.2 74.8 112.2

145 33.9 28.6 43.0



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

