

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011221\
 Data File : VW017844.D
 Acq On : 12 Jan 2021 18:37
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 13 03:23:49 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	333984	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	317935	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	164384	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	111901	21.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.60%
7) Chloroethane-d5	2.89	69	102227	23.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.88%
10) 1,1-Dichloroethene-d2	4.03	63	214979	23.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.52%
20) 2-Butanone-d5	7.07	46	56832	67.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.70%#
24) Chloroform-d	7.65	84	240220	27.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.08%
26) 1,2-Dichloroethane-d4	8.30	65	132162	29.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.04%
29) Benzene-d6	8.27	84	449101	25.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.32%
33) 1,2-Dichloropropane-d6	9.27	67	134901	27.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.32%
37) Toluene-d8	10.32	98	439864	25.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.28%
38) trans-1,3-Dichloropropene-	10.58	79	59256	26.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.72%
39) 2-Hexanone-d5	10.93	63	41074	66.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	109949	30.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	120.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	147811	25.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	65315	17.713	ug/L 95
3) Chloromethane	2.21	50	72294	22.057	ug/L 97
5) Vinyl chloride	2.36	62	116767	21.058	ug/L 100
6) Bromomethane	2.78	94	80739	19.636	ug/L 99
8) Chloroethane	2.92	64	77956	22.424	ug/L 99
9) Trichlorofluoromethane	3.26	101	83231	18.295	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	95939	22.596	ug/L 95
12) 1,1-Dichloroethene	4.04	96	90347	21.950	ug/L 96
13) Acetone	4.12	43	32236	44.571	ug/L 98
14) Carbon disulfide	4.38	76	244048	19.856	ug/L 99
15) Methyl Acetate	4.67	43	40097	28.605	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

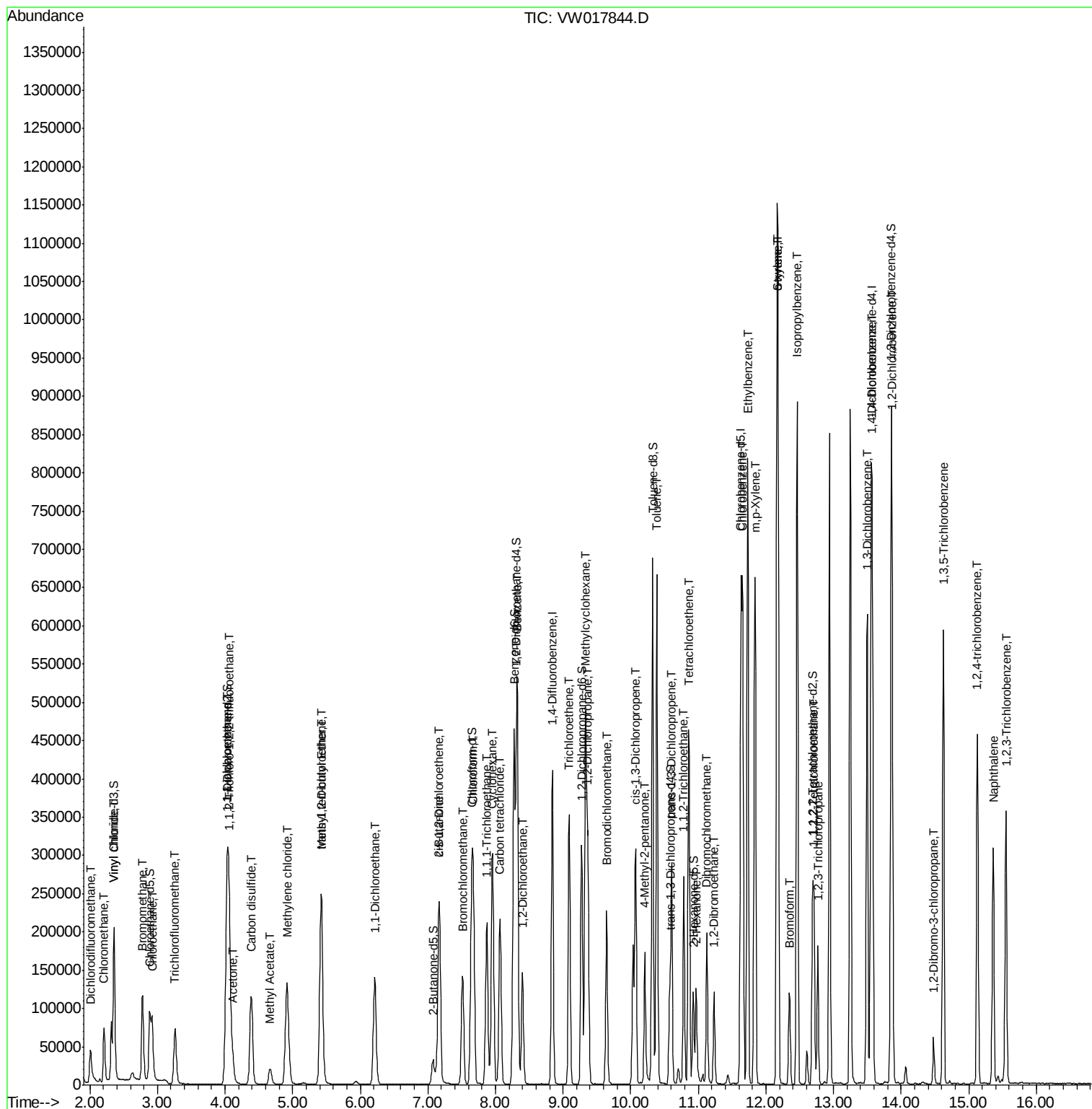
23) Bromochloromethane	7.51	128	45463	23.004	ug/L #	77
25) Chloroform	7.67	83	199772	25.030	ug/L	99
27) 1,2-Dichloroethane	8.40	62	135722	26.289	ug/L	98
30) Cyclohexane	7.96	56	165781	21.907	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	162550	22.226	ug/L	98
32) Carbon tetrachloride	8.07	117	151833	22.005	ug/L	100
34) Benzene	8.32	78	433195	23.830	ug/L	100
35) Trichloroethene	9.09	95	119358	23.721	ug/L	95
36) Methylcyclohexane	9.34	83	194467	22.108	ug/L	97
40) 1,2-Dichloropropane	9.37	63	105847	24.665	ug/L	100
41) Bromodichloromethane	9.64	83	147149	25.050	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	171260	25.008	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	118111	56.650	ug/L	98
44) Toluene	10.39	91	483966	23.347	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	147161	25.235	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	78689	24.669	ug/L	96
47) Tetrachloroethene	10.86	164	94371	23.988	ug/L	91
49) 2-Hexanone	10.97	43	80314	54.294	ug/L	97
50) Dibromochloromethane	11.13	129	96974	25.607	ug/L	93
51) 1,2-Dibromoethane	11.24	107	77530	25.673	ug/L #	97
52) Chlorobenzene	11.66	112	303369	23.444	ug/L	94
53) Ethylbenzene	11.73	91	556472	23.660	ug/L	100
54) m,p-Xylene	11.83	106	210186	22.845	ug/L	94
55) o-xylene	12.16	106	199278	23.031	ug/L	95
56) Styrene	12.18	104	347075	24.115	ug/L	99
57) Isopropylbenzene	12.46	105	559450	23.354	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	93489	26.258	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	68871	26.315	ug/L	99
62) Bromoform	12.35	173	49350	24.535	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	235303	23.192	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	230830	22.639	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	205836	23.088	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	14756	25.130	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.63	180	164300	23.621	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	130847	22.855	ug/L	96
69) Naphthalene	15.36	128	254550	23.347	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	111727	23.110	ug/L	99

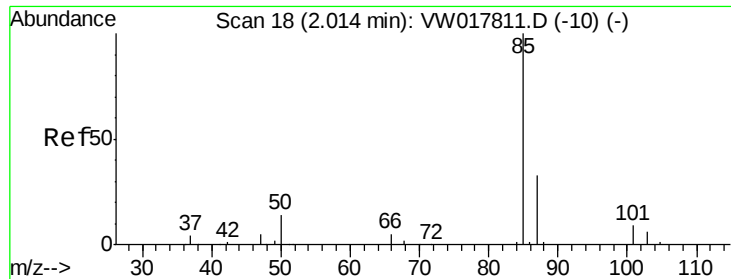
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 17.713 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

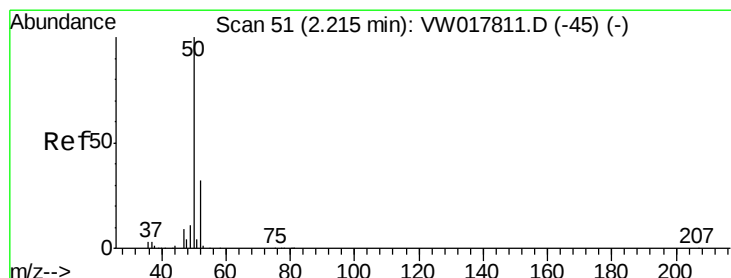
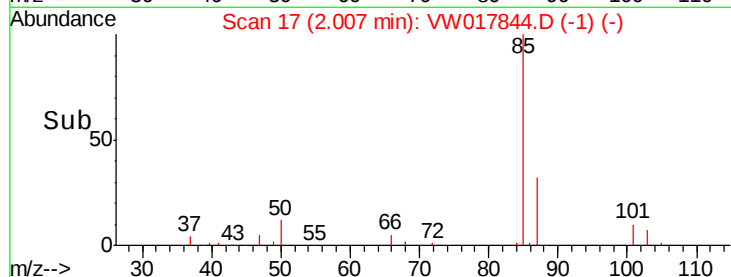
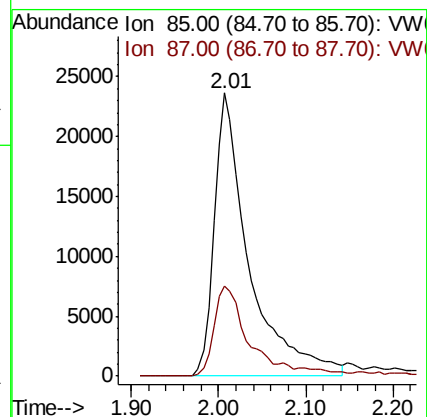
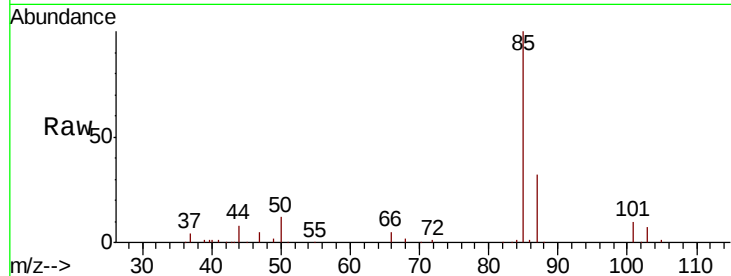
ClientSampled :

Tot Ion: 85 Resp: 65315

Ion Ratio Lower Upper

85 100

87 29.0 22.0 41.0



#3

Chloromethane

Concen: 22.057 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW017844.D

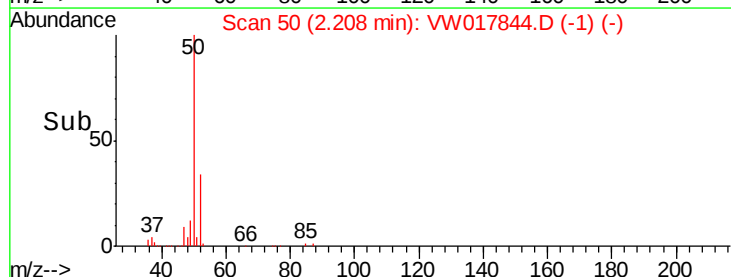
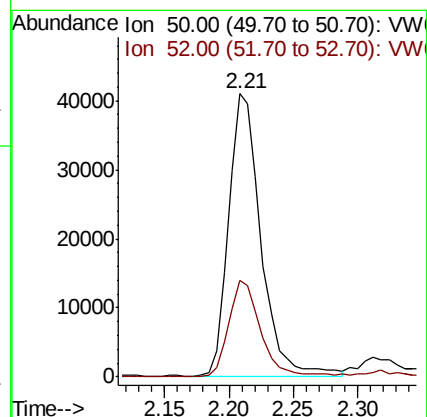
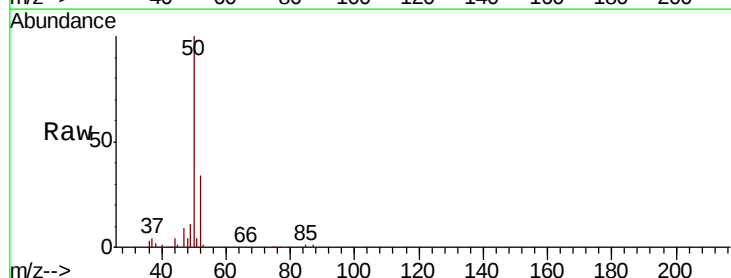
Acq: 12 Jan 2021 18:37

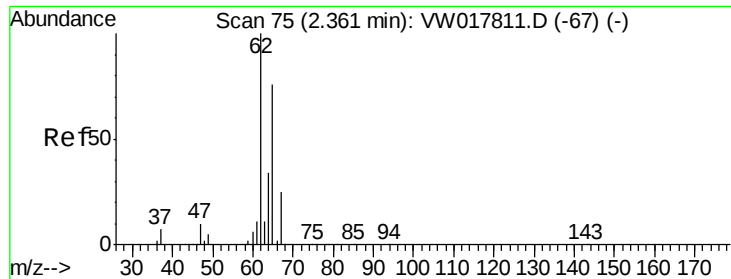
Tgt Ion: 50 Resp: 72294

Ion Ratio Lower Upper

50 100

52 34.1 22.5 41.9





#5

Vinyl chloride

Concen: 21.058 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

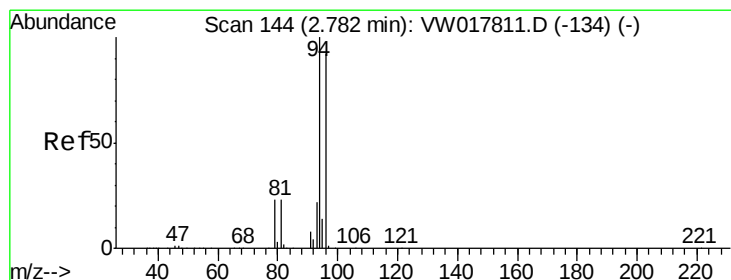
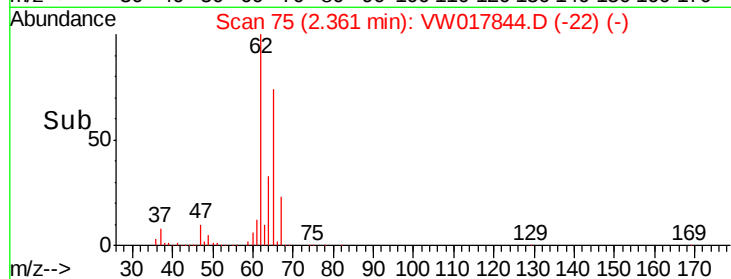
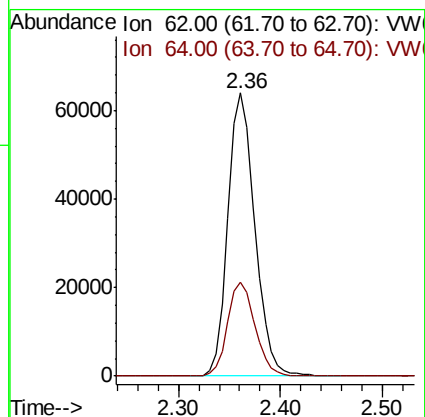
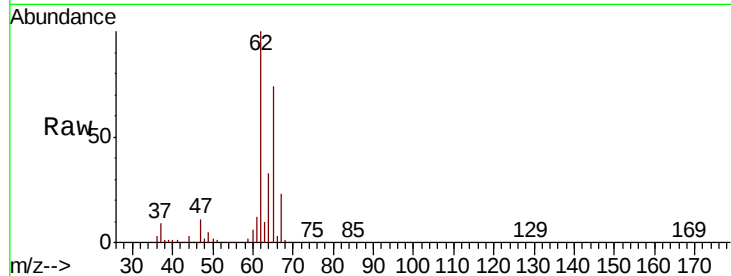
ClientSampleId :

Tot Ion: 62 Resp: 116767

Ion Ratio Lower Upper

62 100

64 33.3 23.3 43.3



#6

Bromomethane

Concen: 19.636 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW017844.D

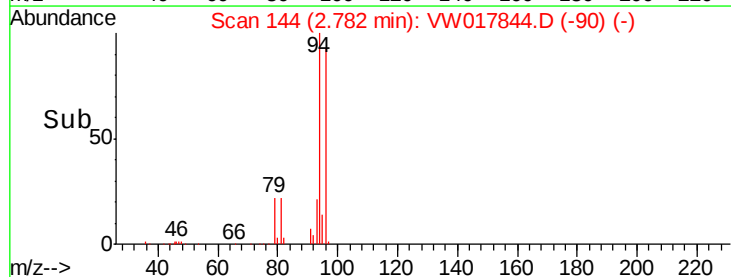
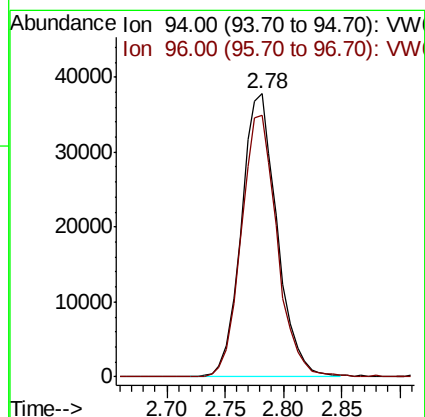
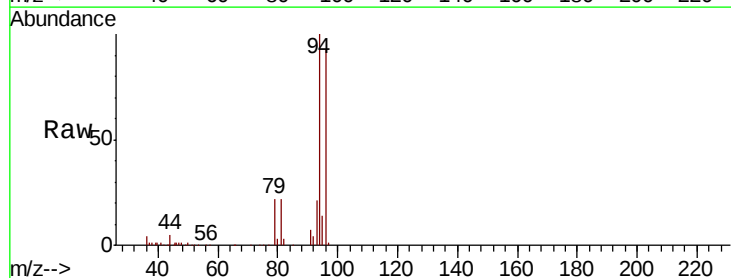
Acq: 12 Jan 2021 18:37

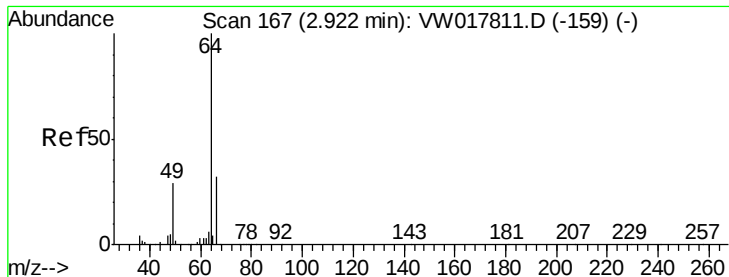
Tgt Ion: 94 Resp: 80739

Ion Ratio Lower Upper

94 100

96 92.9 9.4 178.6





#8

Chloroethane

Concen: 22.424 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

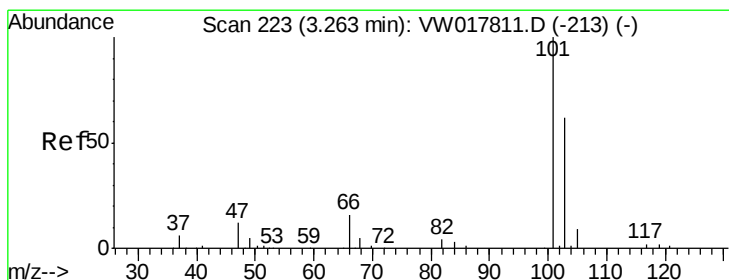
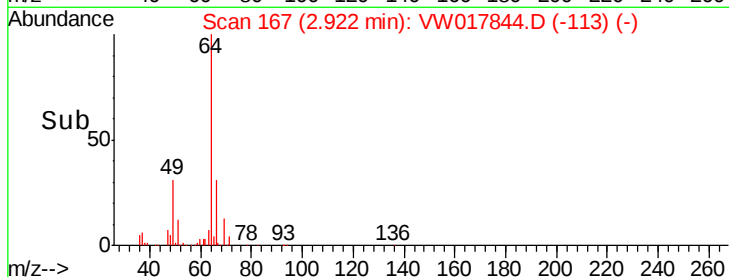
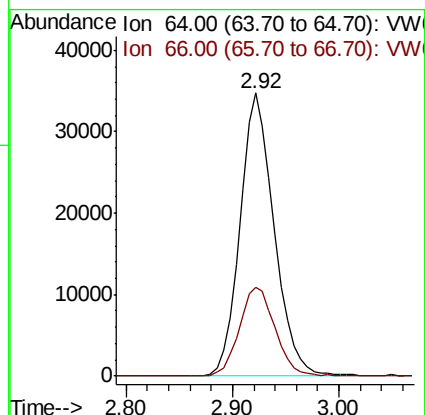
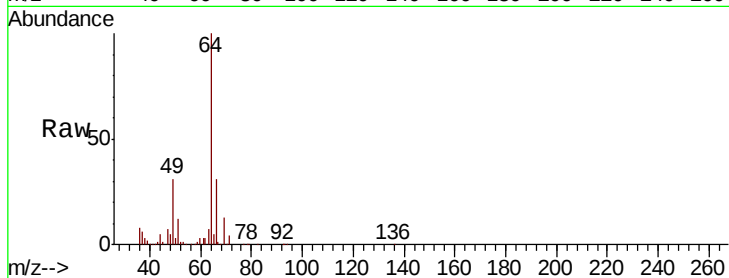
ClientSampleId :

Tot Ion: 64 Resp: 77956

Ion Ratio Lower Upper

64 100

66 31.5 22.3 41.5



#9

Trichlorofluoromethane

Concen: 18.295 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW017844.D

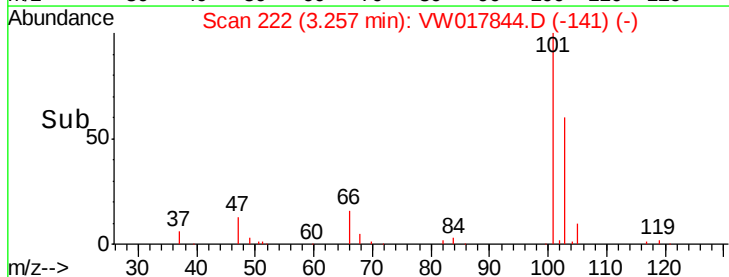
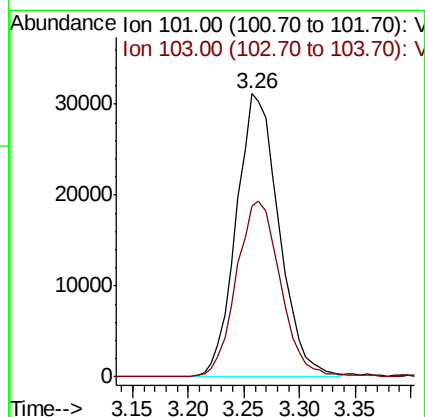
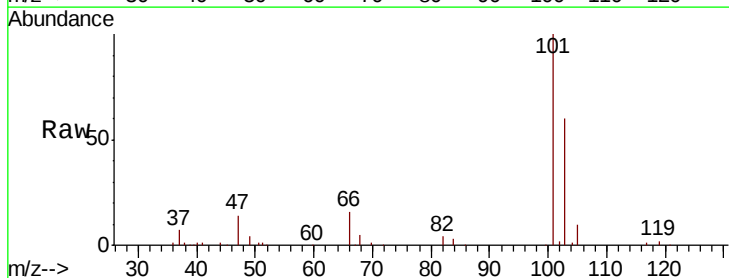
Acq: 12 Jan 2021 18:37

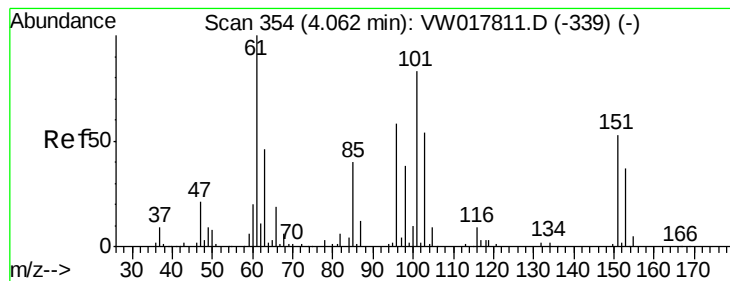
Tgt Ion: 101 Resp: 83231

Ion Ratio Lower Upper

101 100

103 63.6 46.0 85.4





#11

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

Concen: 22.596 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

ClientSampleId :

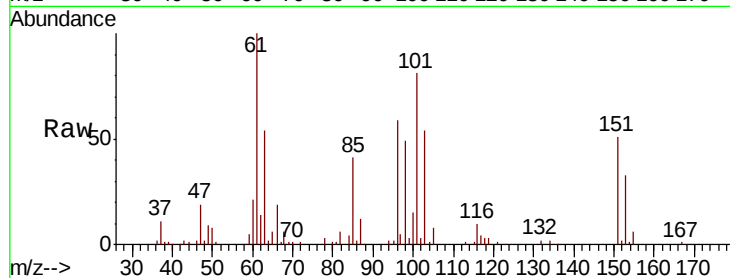
Tot Ion:101 Resp: 95939

Ion Ratio Lower Upper

101 100

85 47.6 36.7 55.1

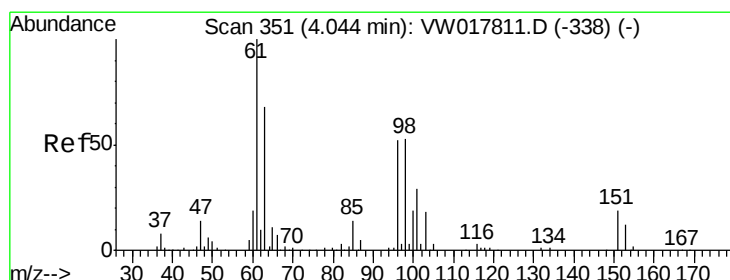
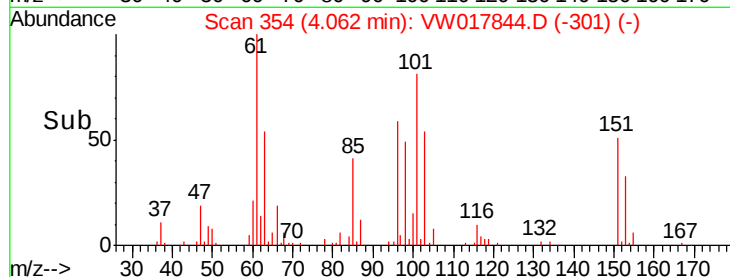
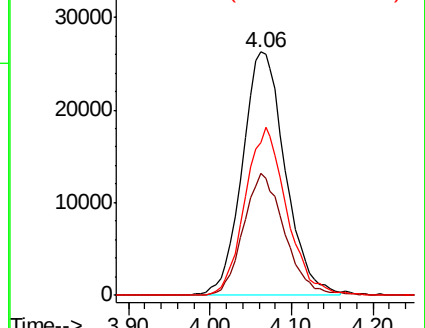
151 66.6 57.7 86.5



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: 21.950 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

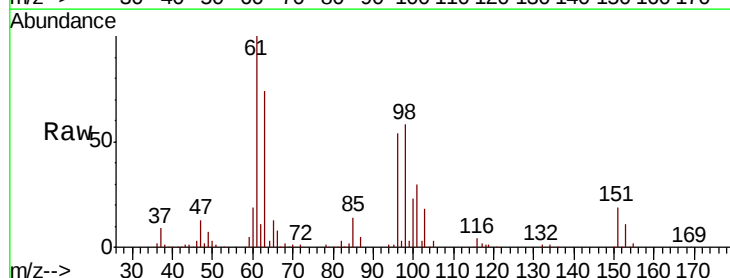
Tgt Ion: 96 Resp: 90347

Ion Ratio Lower Upper

96 100

61 184.0 126.1 234.1

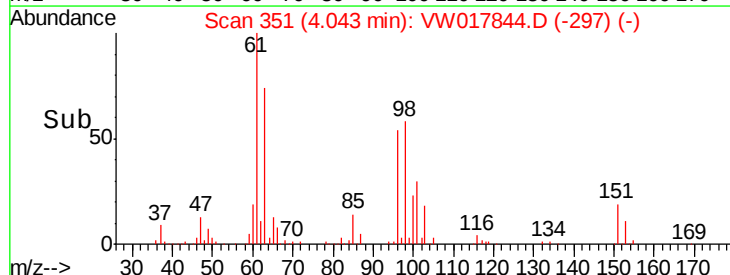
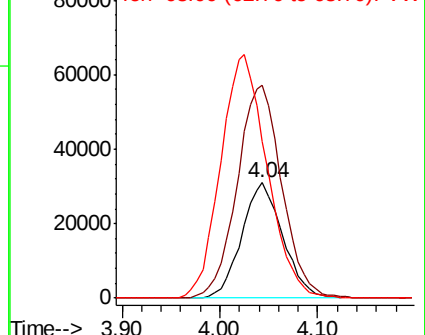
63 135.4 90.0 167.2

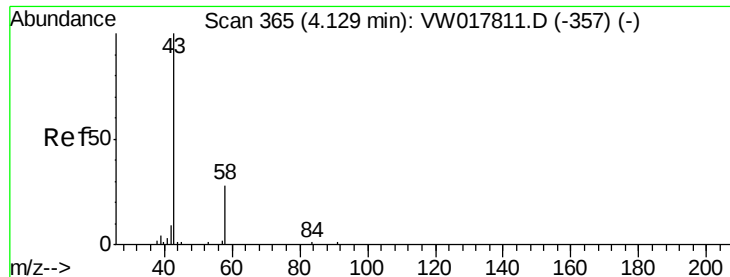


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.571 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

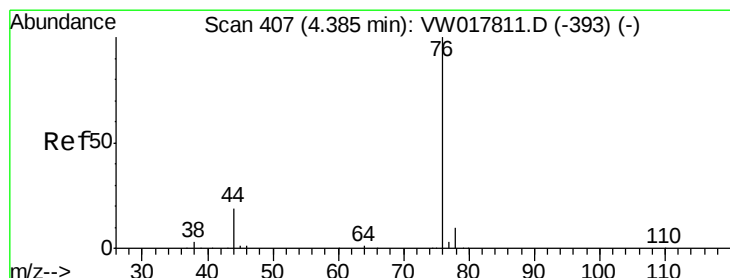
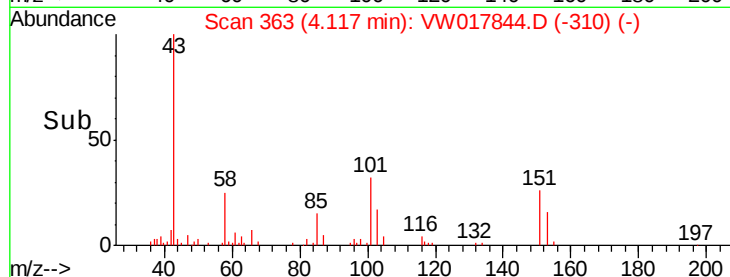
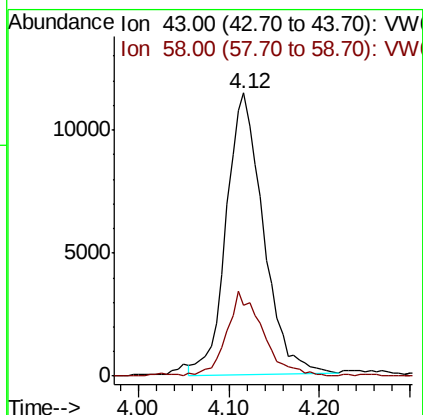
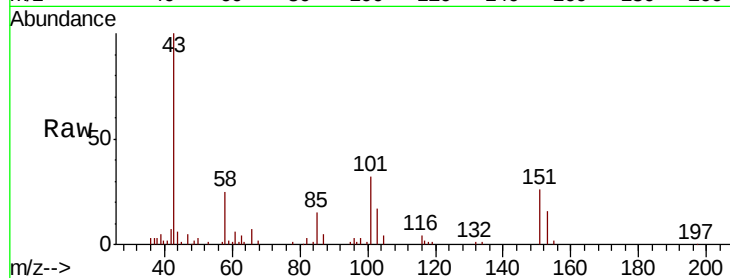
ClientSampled :

Tot Ion: 43 Resp: 32236

Ion Ratio Lower Upper

43 100

58 29.6 0.0 60.8



#14

Carbon disulfide

Concen: 19.856 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW017844.D

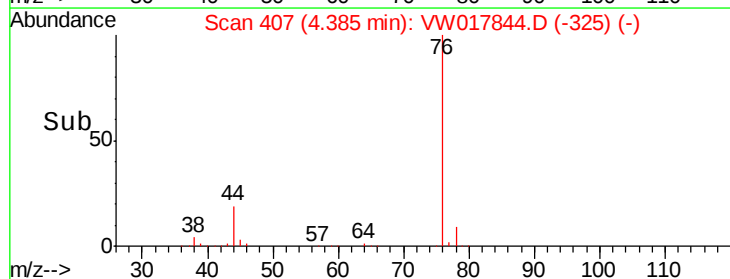
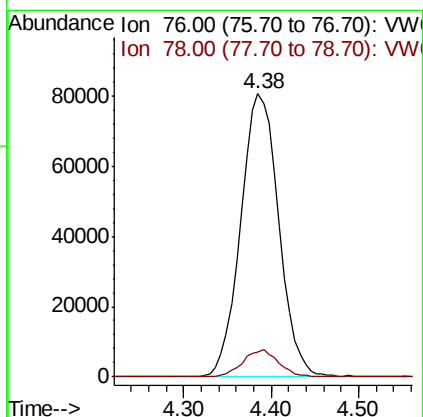
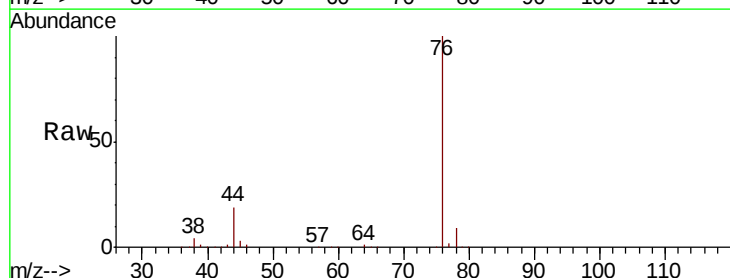
Acq: 12 Jan 2021 18:37

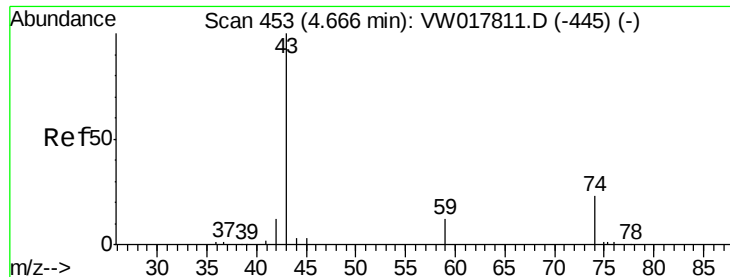
Tgt Ion: 76 Resp: 244048

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7





#15

Methvl Acetate

Concen: 28.605 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

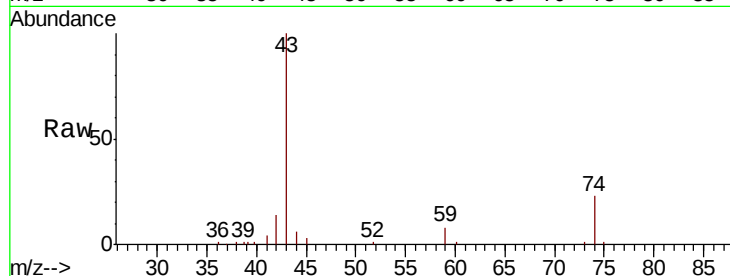
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 40097

Ion Ratio Lower Upper

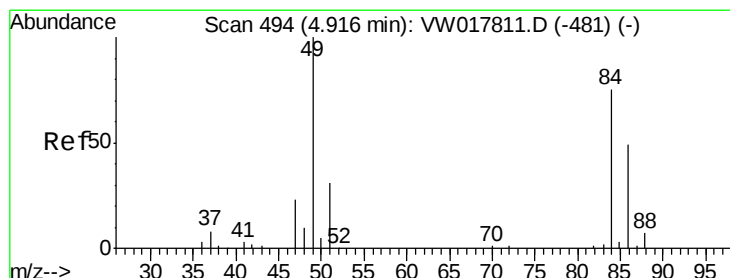
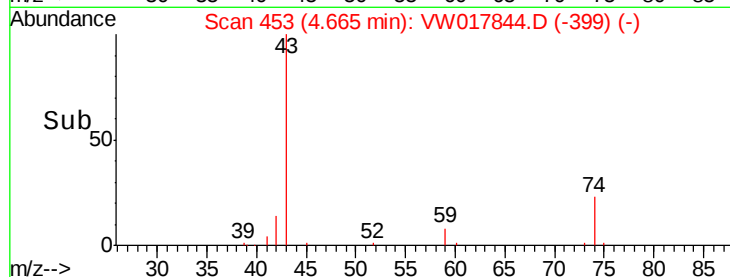
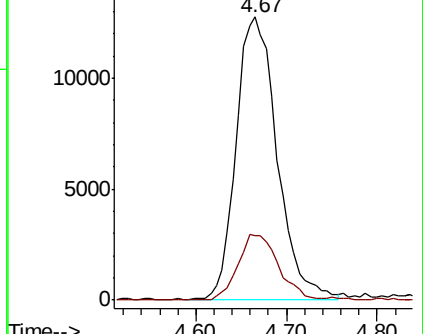
43 100

74 22.9 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 22.675 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

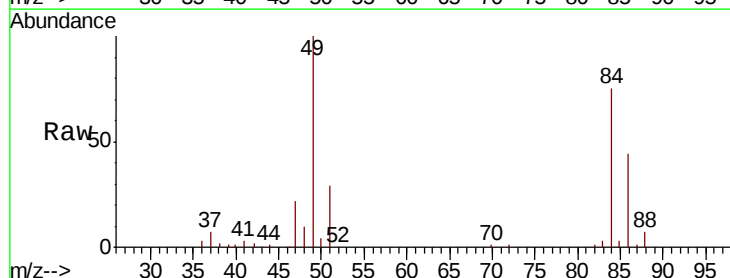
Tgt Ion: 84 Resp: 108299

Ion Ratio Lower Upper

84 100

49 133.4 90.5 168.1

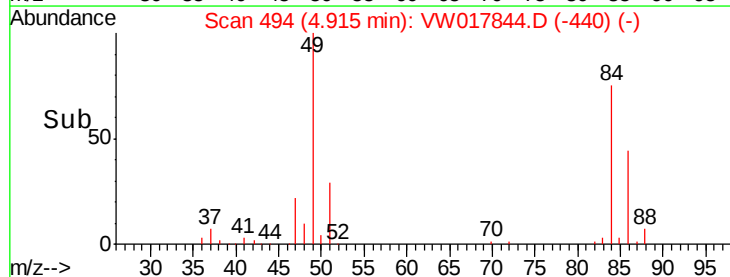
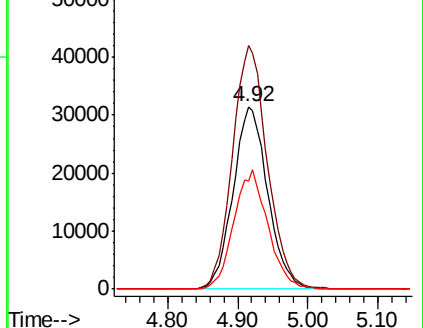
86 59.2 44.8 83.2

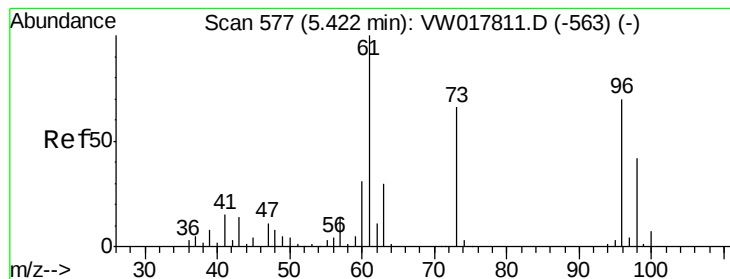


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 24.566 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

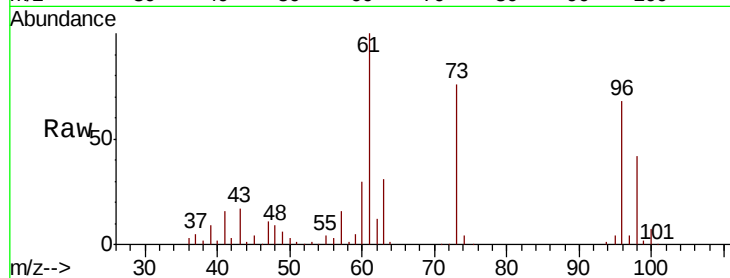
Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 73 Resp: 128148

Ion	Ratio	Lower	Upper
73	100		
43	22.8	17.1	25.7
57	22.4	16.6	25.0

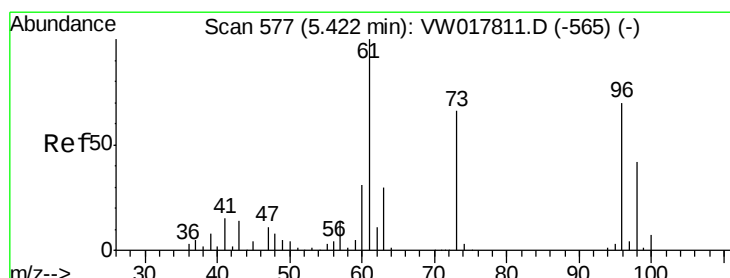
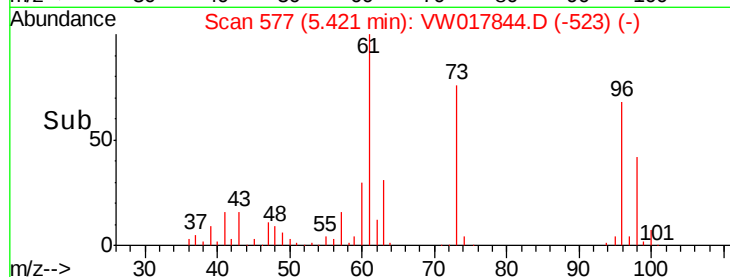
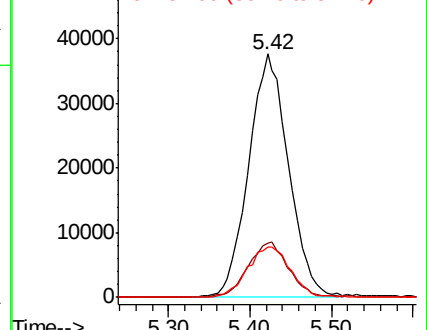


Abundance

Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 22.554 ug/L

RT: 5.42 min Scan# 577

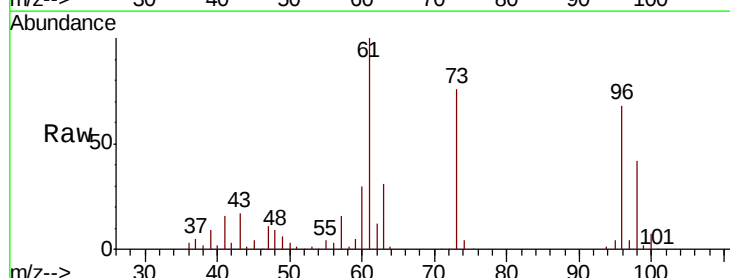
Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Tgt Ion: 96 Resp: 100131

Ion	Ratio	Lower	Upper
96	100		
61	148.1	99.5	184.9
98	61.6	45.8	85.2

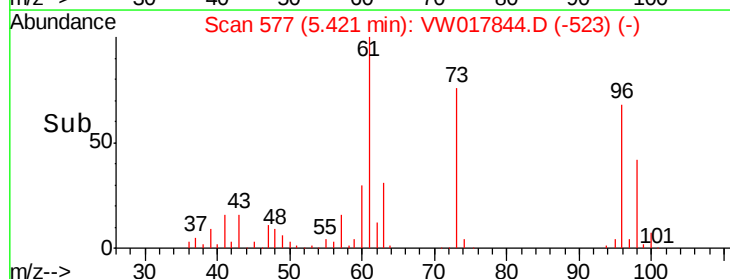
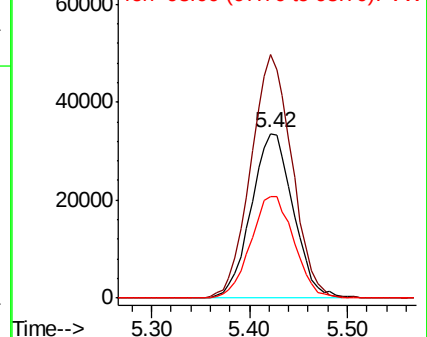


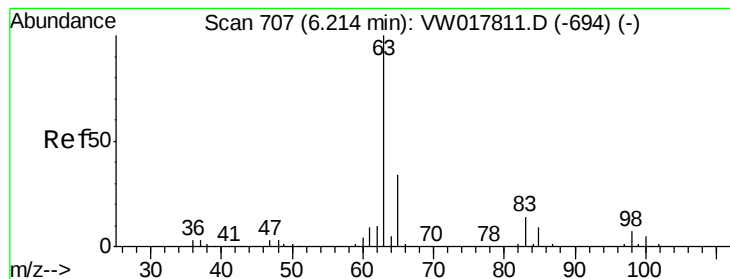
Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 24.674 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

ClientSampled :

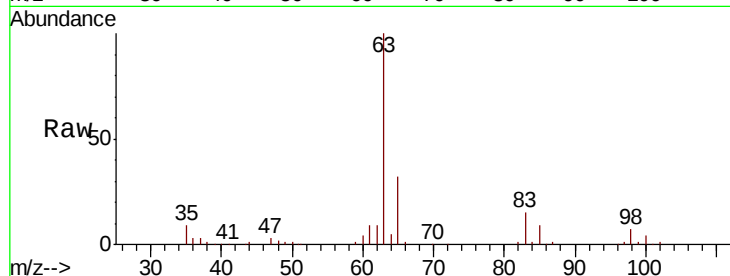
Tot Ion: 63 Resp: 187155

Ion Ratio Lower Upper

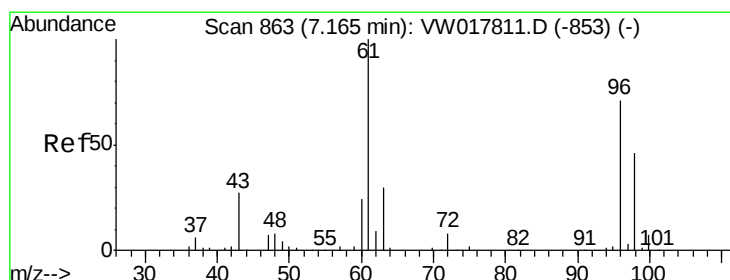
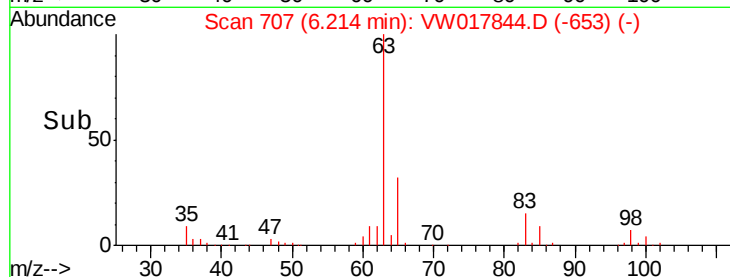
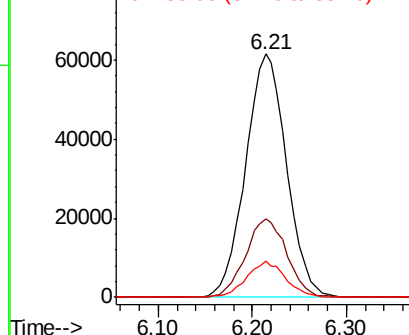
63 100

65 32.2 21.9 40.7

83 15.0 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: 53.674 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW017844.D

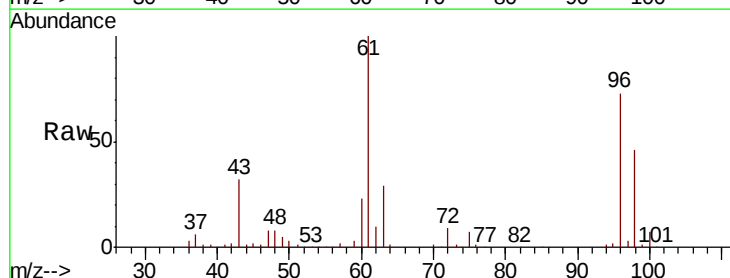
Acq: 12 Jan 2021 18:37

Tgt Ion: 43 Resp: 52216

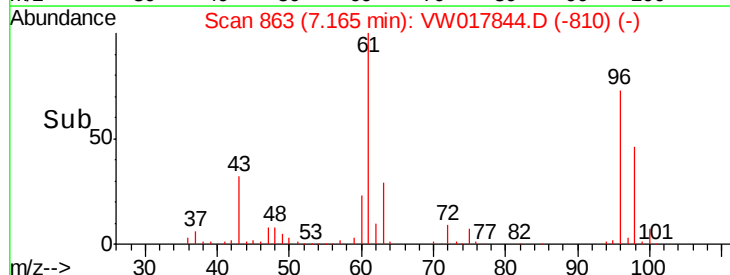
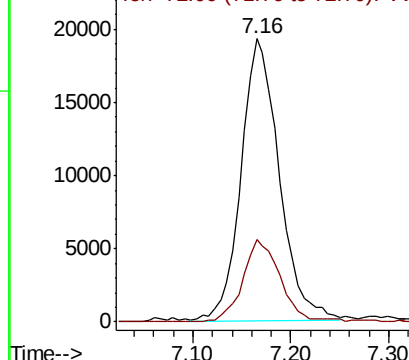
Ion Ratio Lower Upper

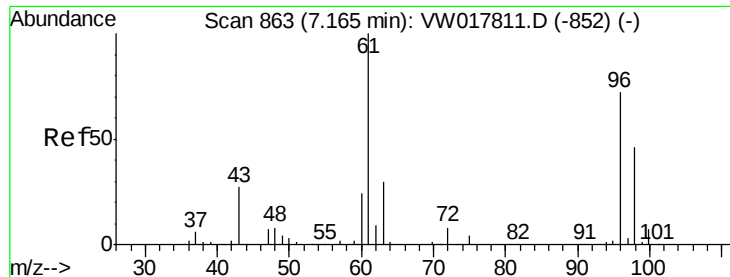
43 100

72 28.1 15.4 46.2



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



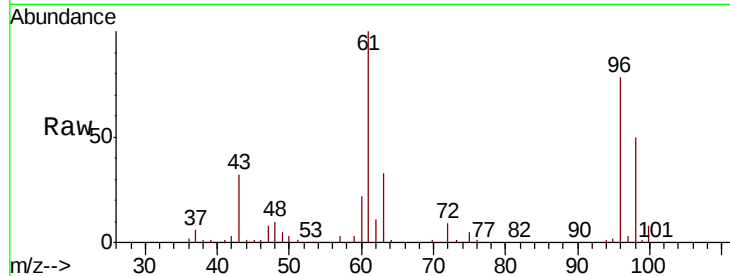


#22

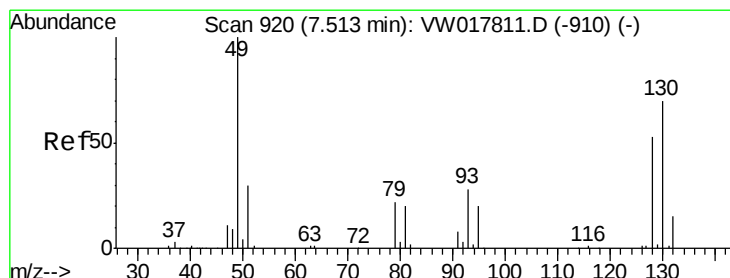
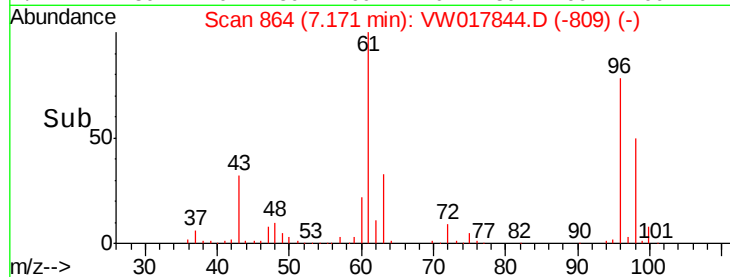
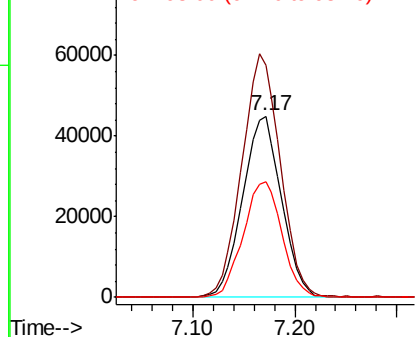
cis-1,2-Dichloroethene
 Concen: 25.481 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW017844.D
 Acq: 12 Jan 2021 18:37

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 96 Resp: 118874
 Ion Ratio Lower Upper
 96 100
 61 128.4 88.2 163.8
 98 63.9 43.7 81.1



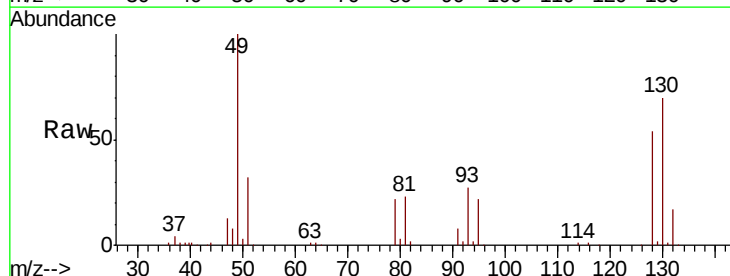
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



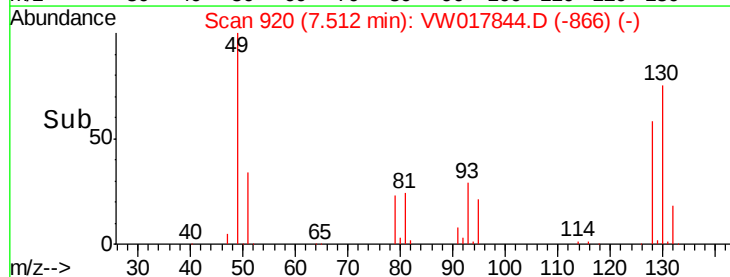
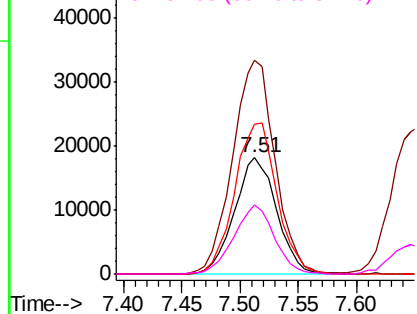
#23

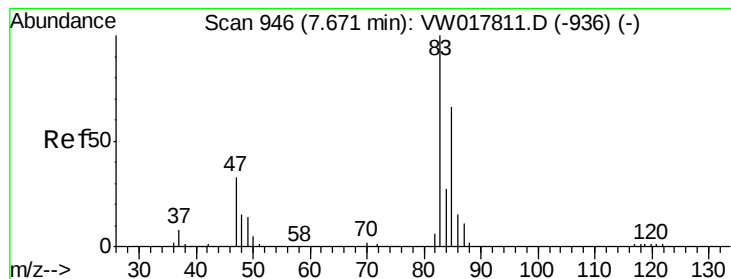
Bromochloromethane
 Concen: 23.004 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW017844.D
 Acq: 12 Jan 2021 18:37

Tgt Ion: 128 Resp: 45463
 Ion Ratio Lower Upper
 128 100
 49 184.0 98.3 182.5#
 130 129.5 84.4 156.7
 51 59.7 35.0 52.4#



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





#25

Chloroform

Concen: 25.030 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

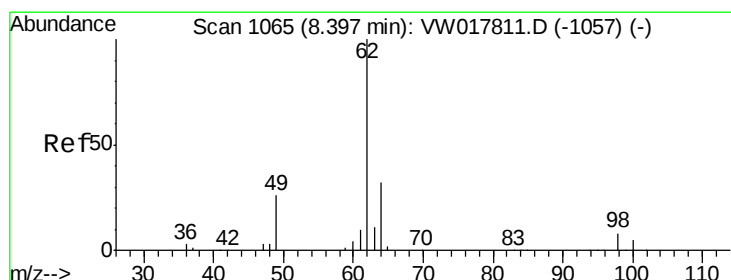
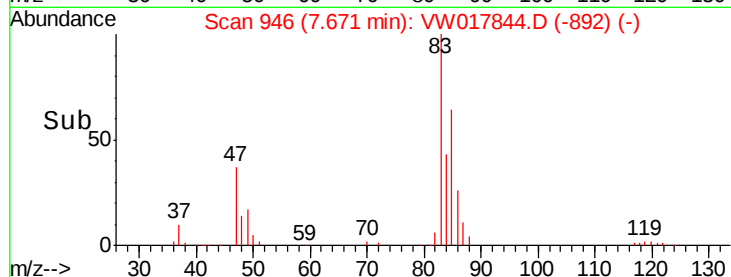
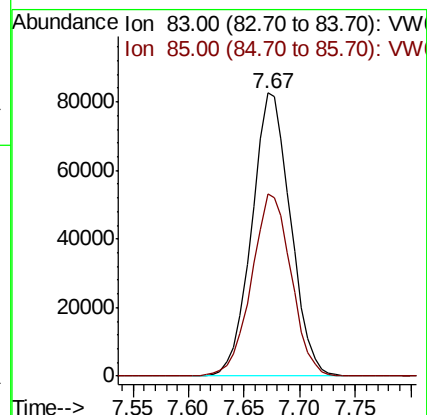
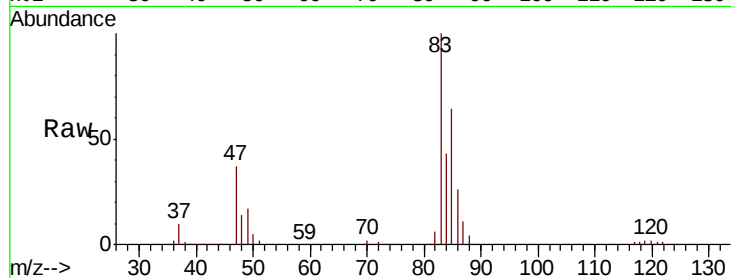
ClientSampleId :

Tot Ion: 83 Resp: 199772

Ion Ratio Lower Upper

83 100

85 65.8 45.7 84.9



#27

1,2-Dichloroethane

Concen: 26.289 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW017844.D

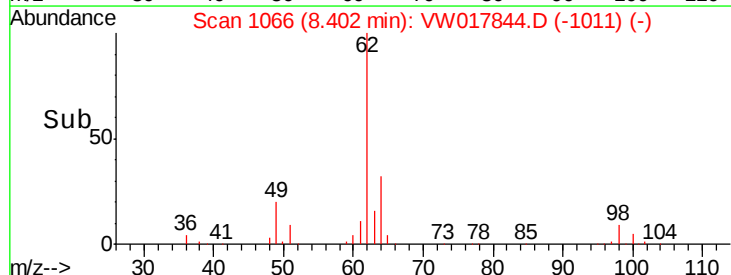
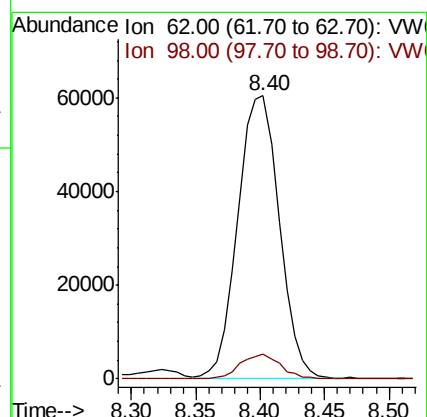
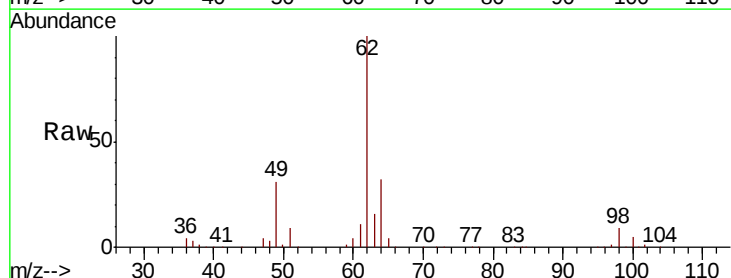
Acq: 12 Jan 2021 18:37

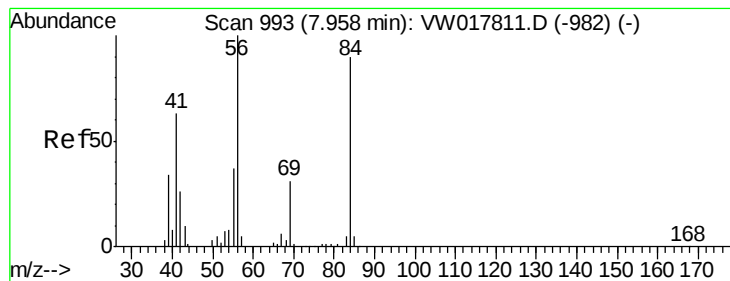
Tgt Ion: 62 Resp: 135722

Ion Ratio Lower Upper

62 100

98 8.7 6.3 9.5





#30

Cyclohexane

Concen: 21.907 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

ClientSampleId :

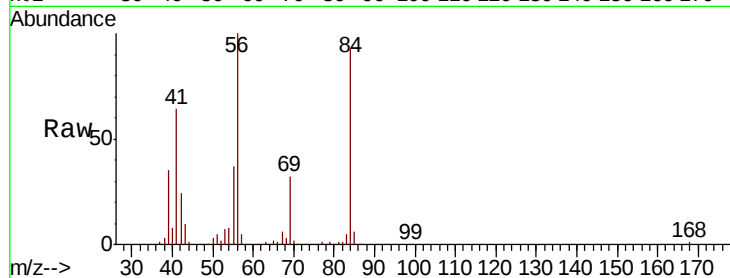
Tot Ion: 56 Resp: 165781

Ion Ratio Lower Upper

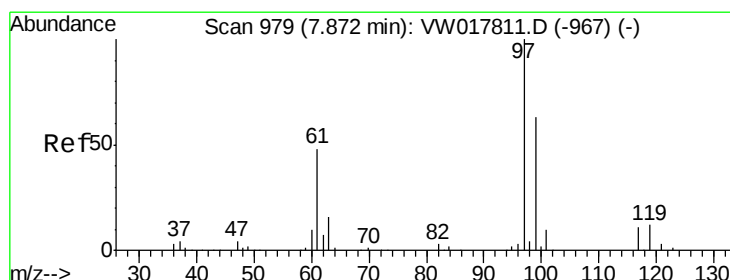
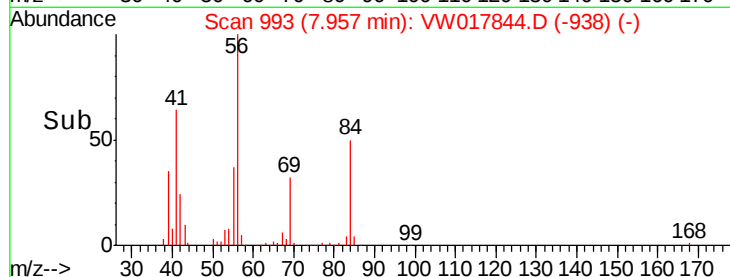
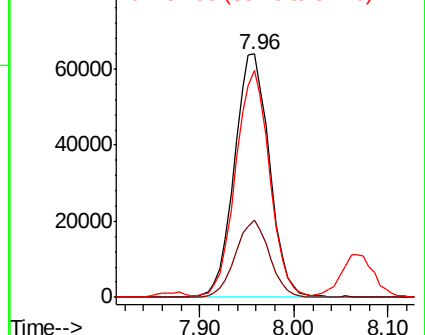
56 100

69 30.8 25.0 37.4

84 90.4 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: 22.226 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

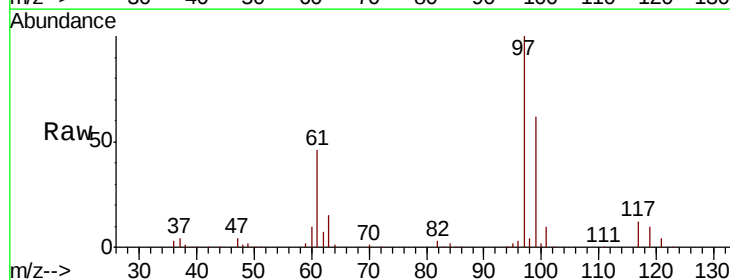
Tgt Ion: 97 Resp: 162550

Ion Ratio Lower Upper

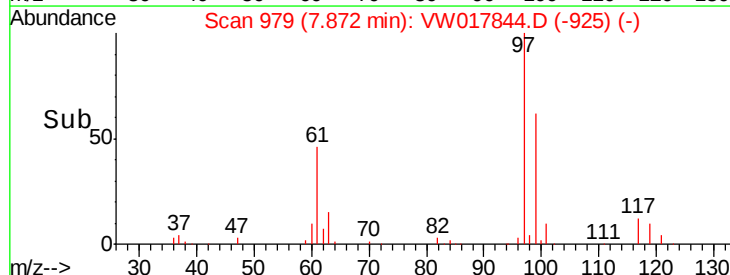
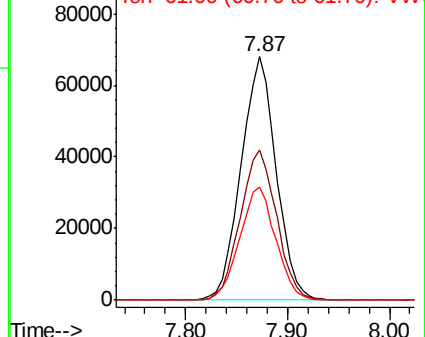
97 100

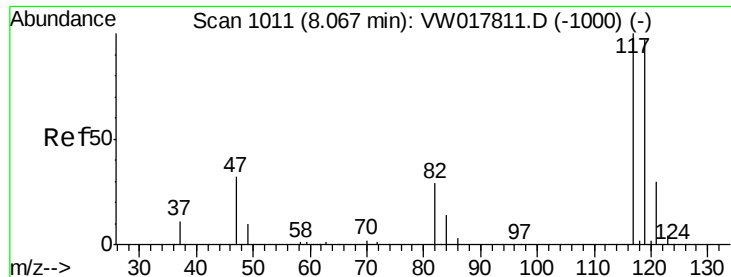
99 64.0 51.1 76.7

61 47.5 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: 22.005 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

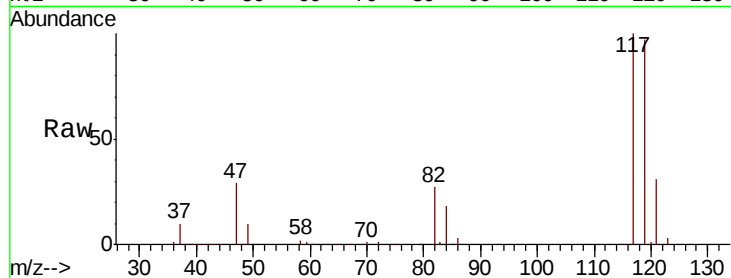
ClientSampleId :

Tot Ion:117 Resp: 151833

Ion Ratio Lower Upper

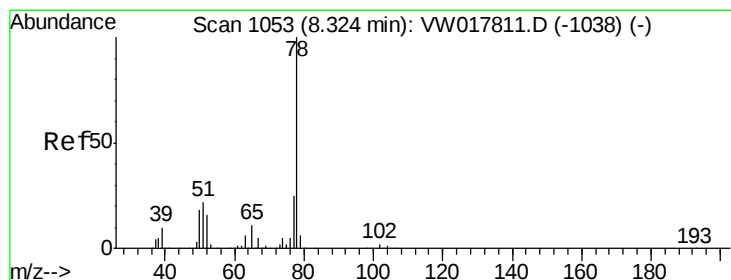
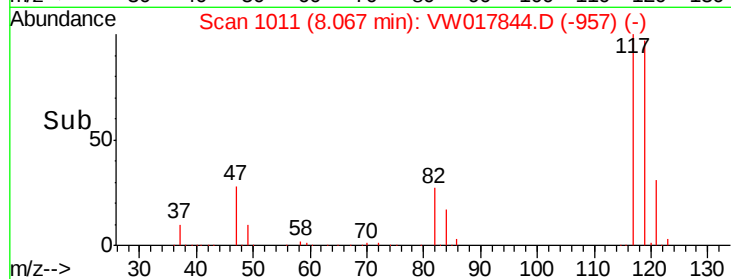
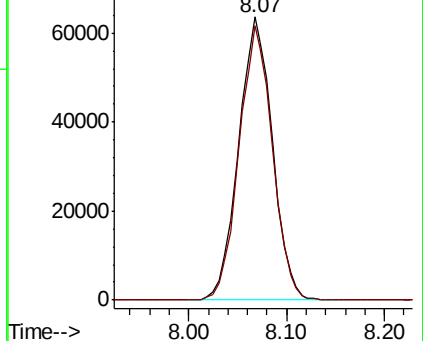
117 100

119 95.9 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.830 ug/L

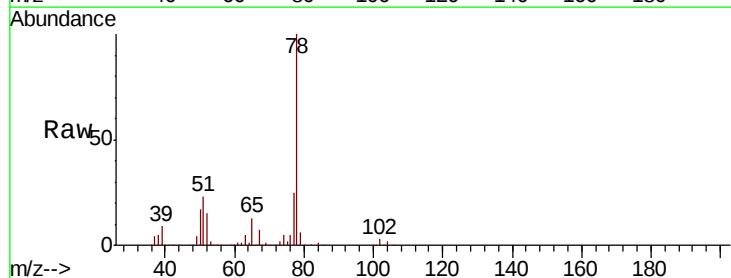
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

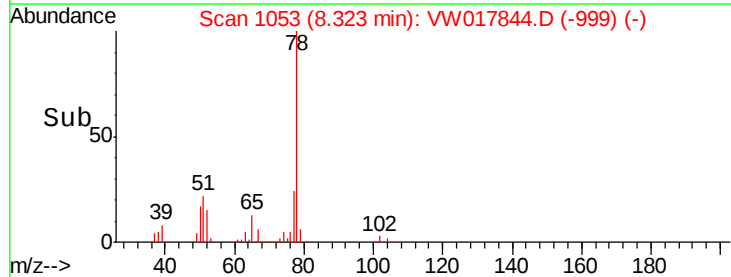
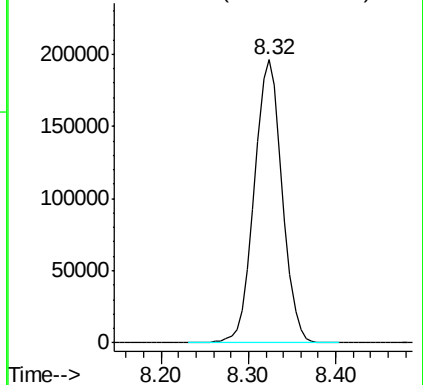
Lab File: VW017844.D

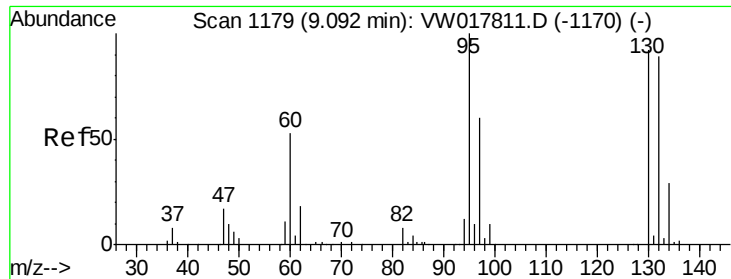
Acq: 12 Jan 2021 18:37

Tgt Ion: 78 Resp: 433195



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.721 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 119358

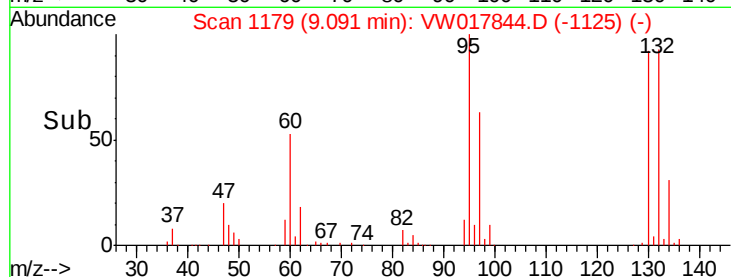
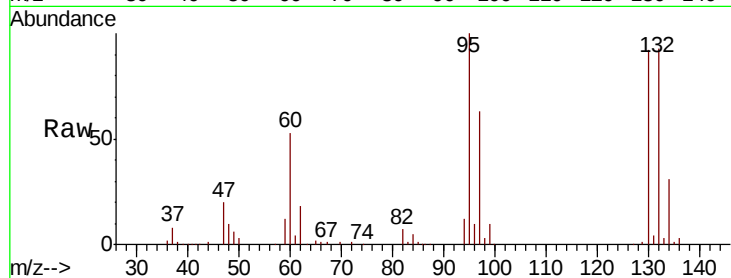
Ion Ratio Lower Upper

95 100

97 64.5 46.8 87.0

132 93.3 68.3 126.9

130 94.7 71.8 133.4

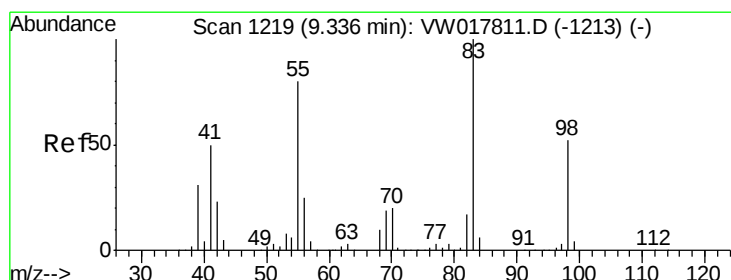
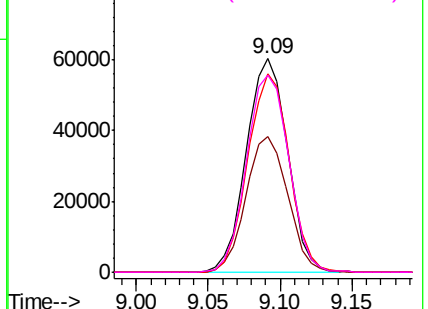


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 22.108 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

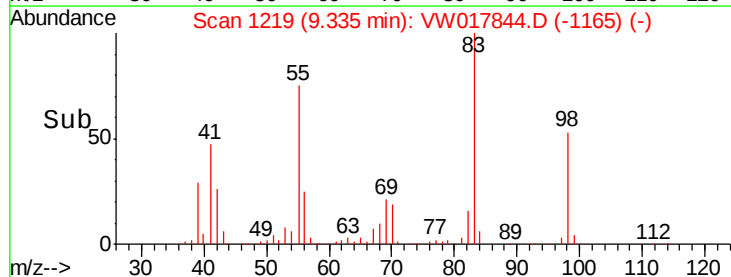
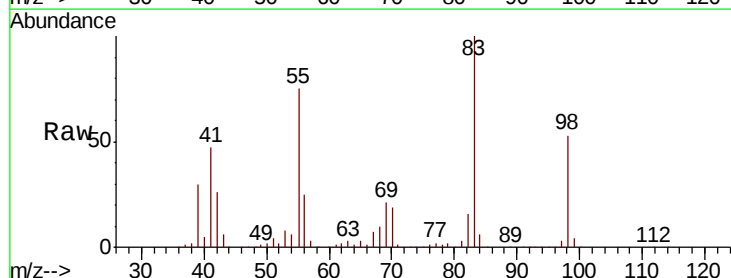
Tgt Ion: 83 Resp: 194467

Ion Ratio Lower Upper

83 100

55 75.7 57.6 86.4

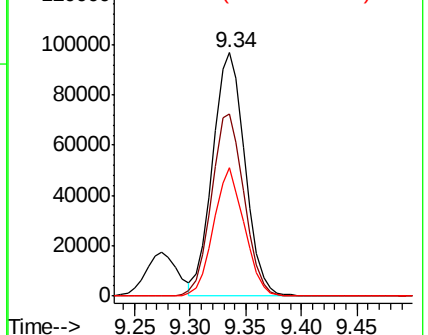
98 50.3 39.7 59.5

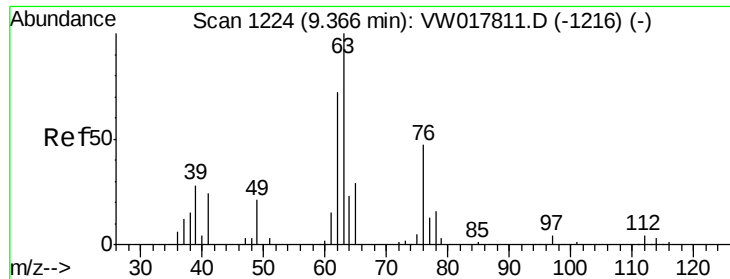


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

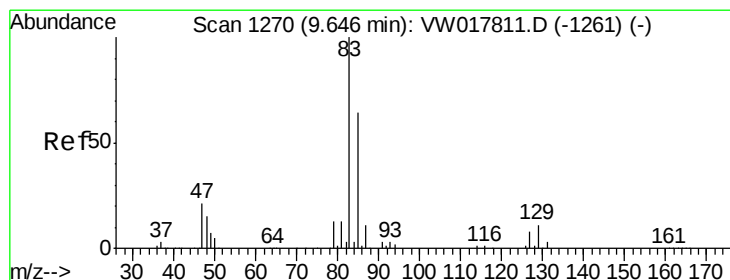
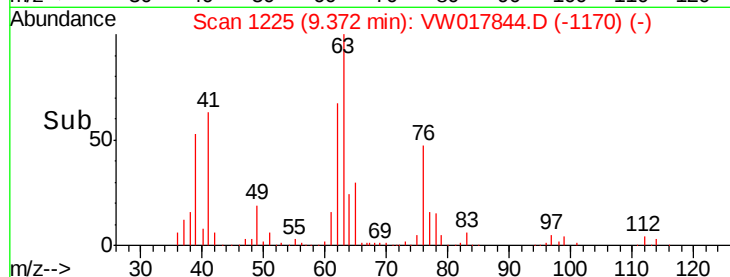
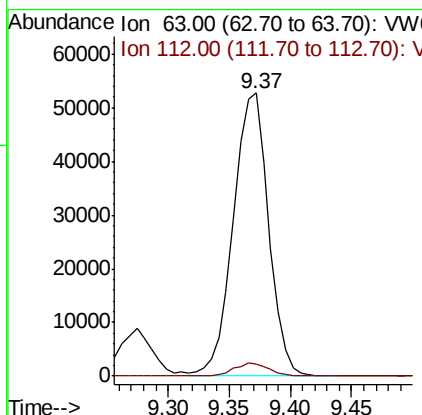
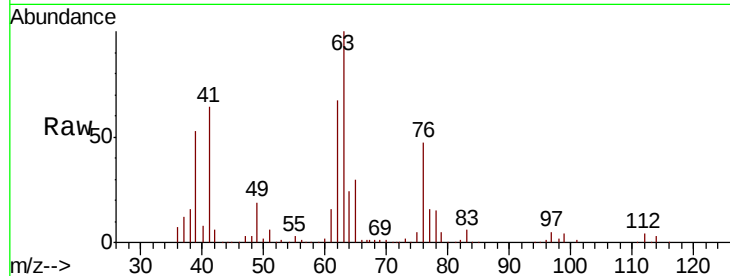




#40
 1,2-Dichloropropane
 Concen: 24.665 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW017844.D
 Acq: 12 Jan 2021 18:37

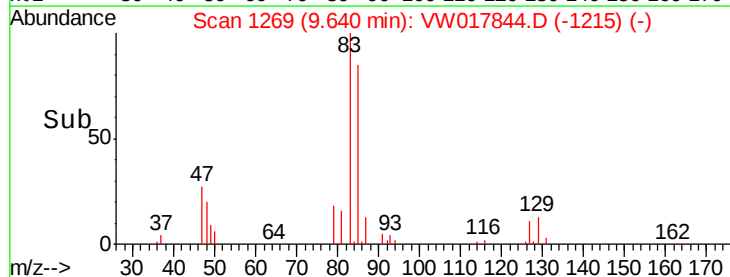
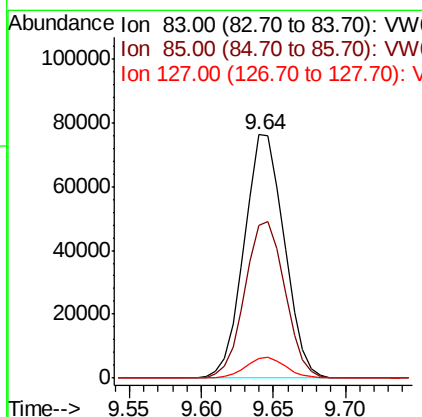
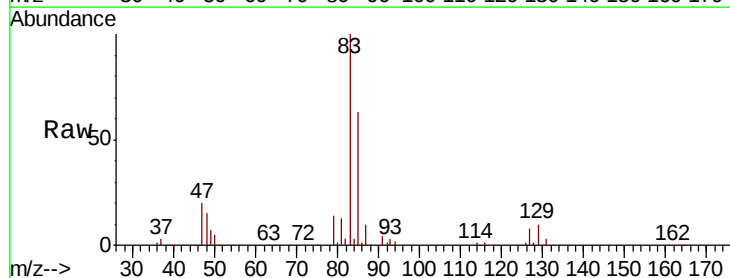
Instrument :
 MSVOA_W
 ClientSampleId :

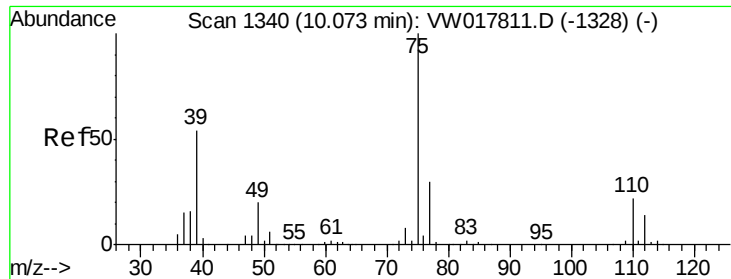
Tot Ion: 63 Resp: 105847
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#41
 Bromodichloromethane
 Concen: 25.050 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW017844.D
 Acq: 12 Jan 2021 18:37

Tgt Ion: 83 Resp: 147149
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.5 82.7
 127 7.9 6.9 10.3

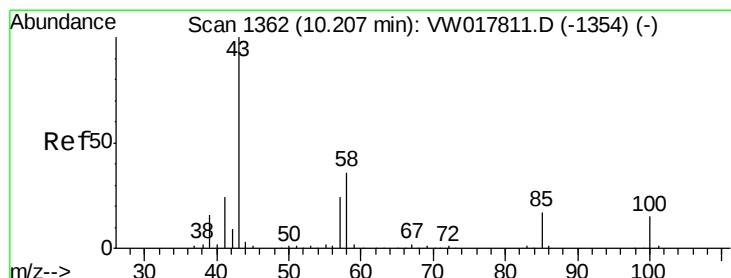
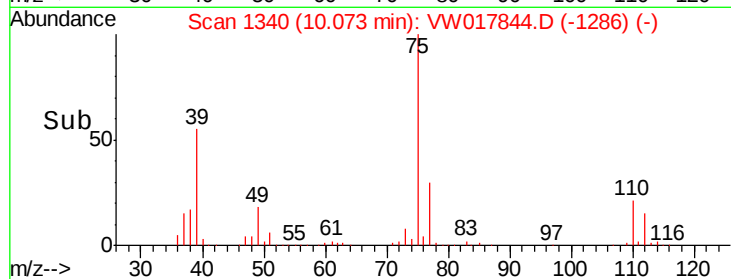
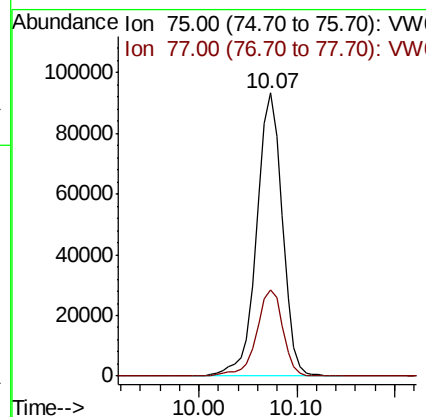
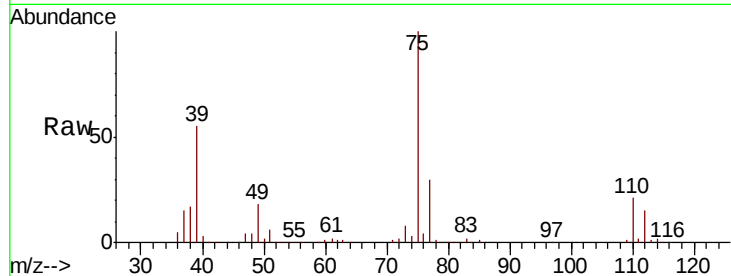




#42
 cis-1,3-Dichloropropene
 Concen: 25.008 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017844.D
 Acq: 12 Jan 2021 18:37

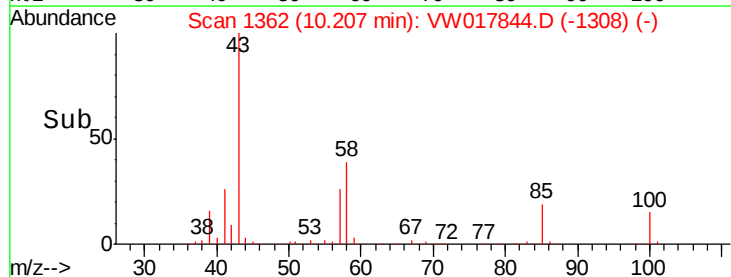
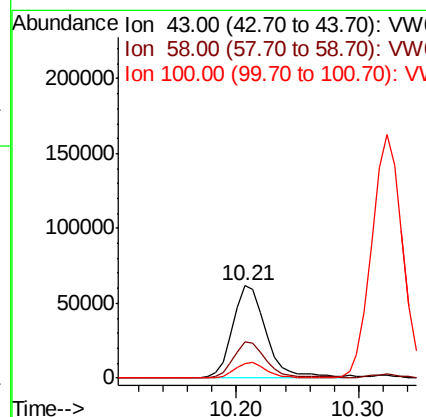
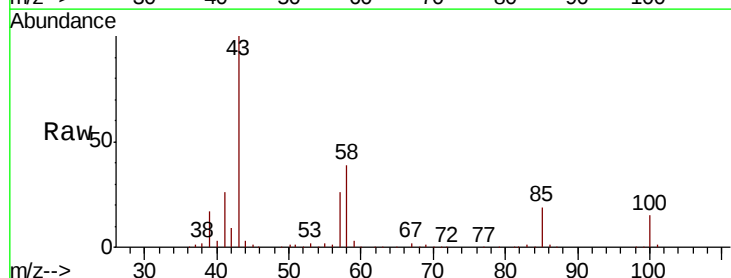
Instrument :
 MSVOA_W
 ClientSampled :

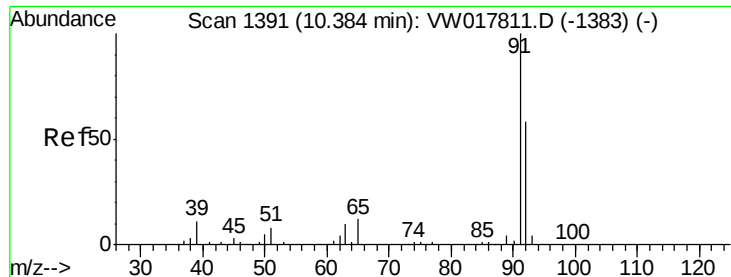
Tot Ion: 75 Resp: 171260
 Ion Ratio Lower Upper
 75 100
 77 30.4 21.6 40.2



#43
 4-Methyl-2-pentanone
 Concen: 56.650 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW017844.D
 Acq: 12 Jan 2021 18:37

Tgt Ion: 43 Resp: 118111
 Ion Ratio Lower Upper
 43 100
 58 38.0 31.0 46.4
 100 15.6 13.5 20.3





#44

Toluene

Concen: 23.347 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

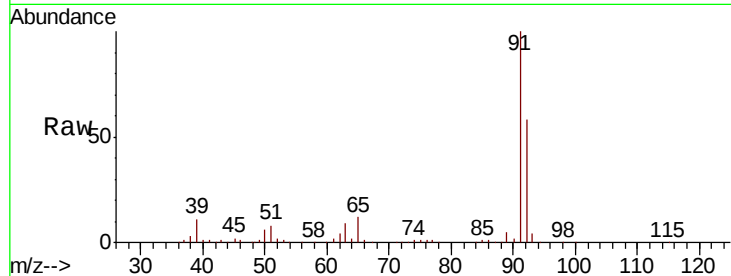
ClientSampled :

Tot Ion: 91 Resp: 483966

Ion Ratio Lower Upper

91 100

92 58.4 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

250000

200000

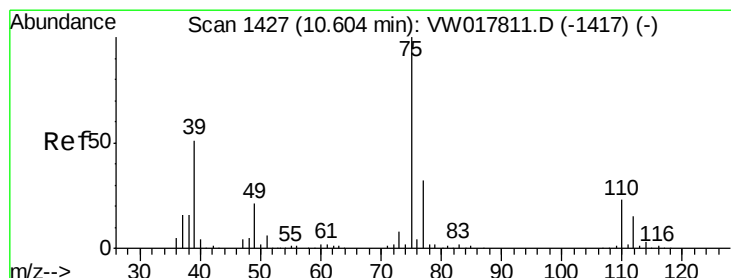
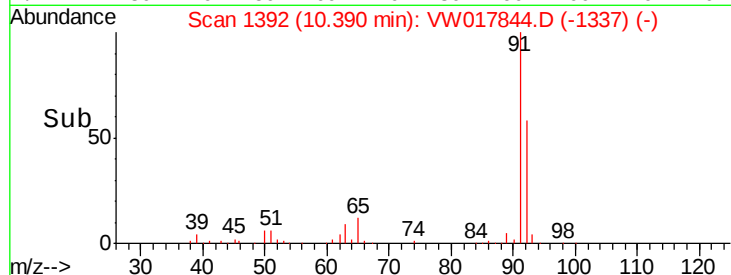
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.235 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW017844.D

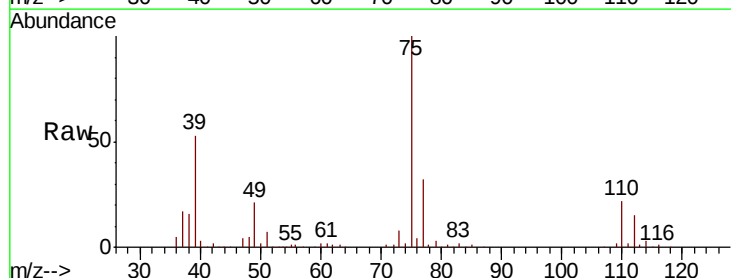
Acq: 12 Jan 2021 18:37

Tgt Ion: 75 Resp: 147161

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

100000

80000

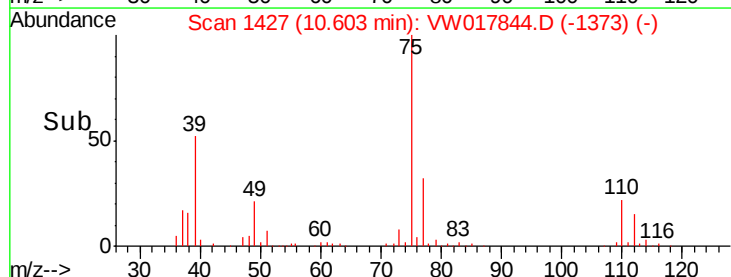
60000

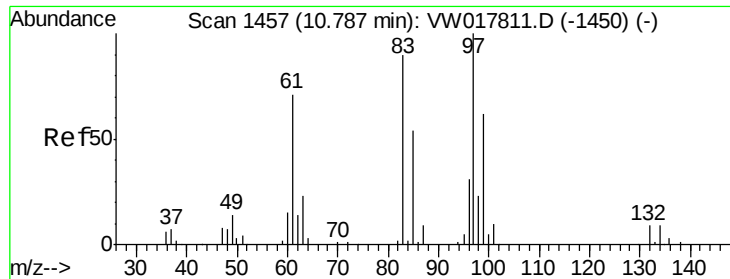
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 24.669 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 78689

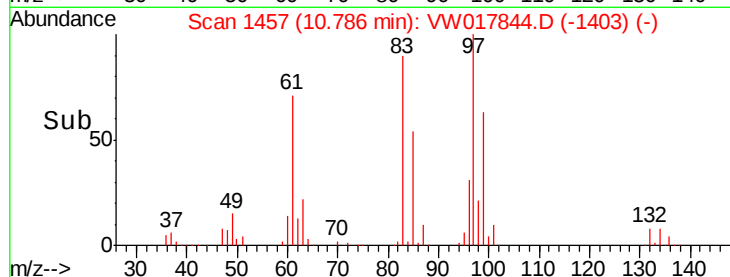
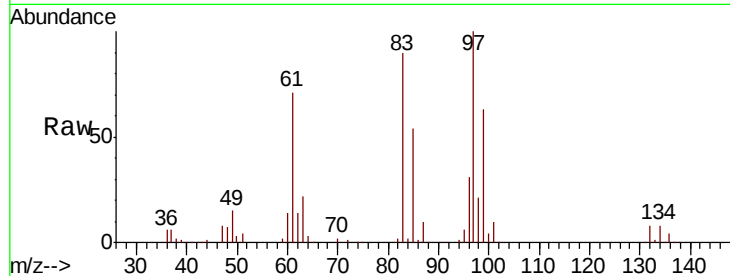
Ion	Ratio	Lower	Upper
97	100		
83	90.3	58.9	109.5
85	54.5	37.1	68.9
99	62.8	42.7	79.3

97 100

83 90.3 58.9 109.5

85 54.5 37.1 68.9

99 62.8 42.7 79.3



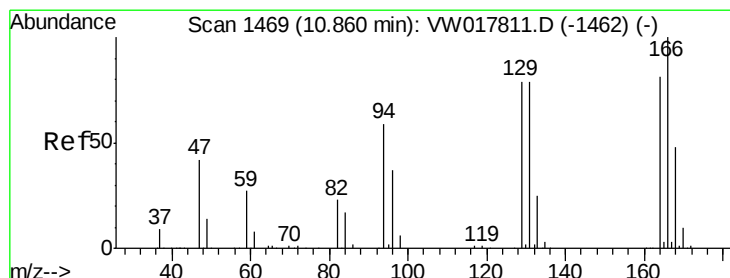
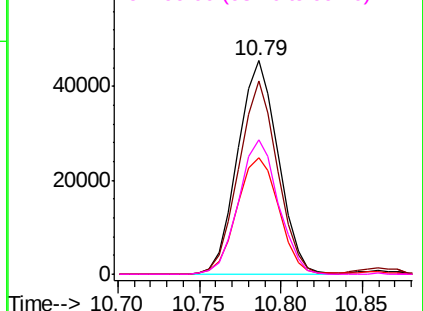
Abundance

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: 23.988 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Tgt Ion: 164 Resp: 94371

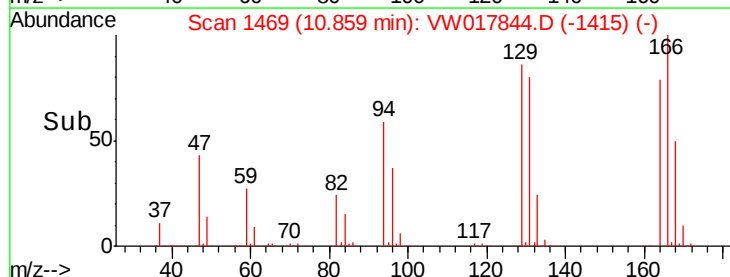
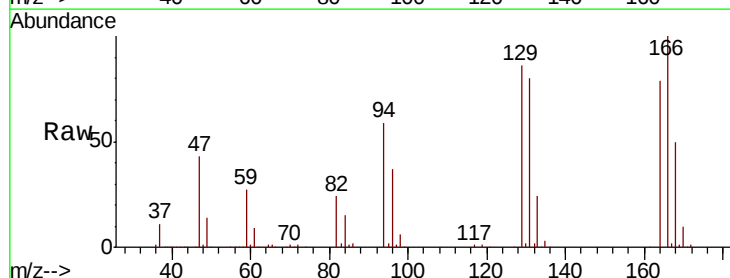
Ion	Ratio	Lower	Upper
164	100		
129	108.3	62.9	116.9
131	100.6	63.8	118.6
166	126.4	87.4	162.2

164 100

129 108.3 62.9 116.9

131 100.6 63.8 118.6

166 126.4 87.4 162.2



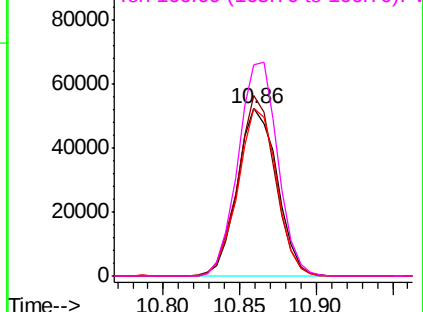
Abundance

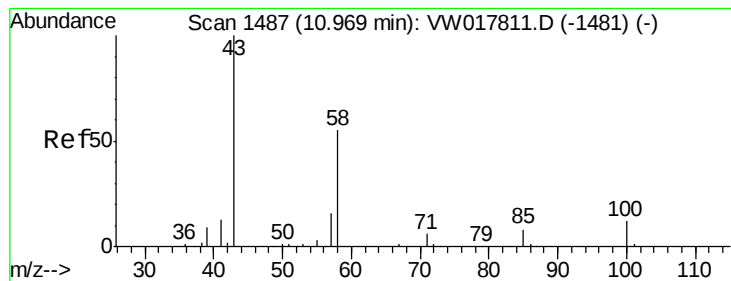
Ion 164.00 (163.70 to 164.70): V

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: 54.294 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 80314

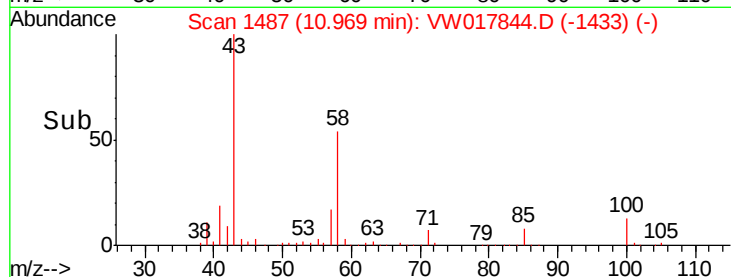
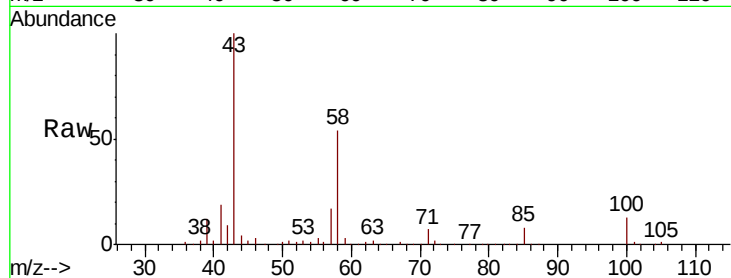
Ion Ratio Lower Upper

43 100

58 53.5 44.2 66.4

57 18.7 16.1 24.1

100 12.7 11.0 16.4

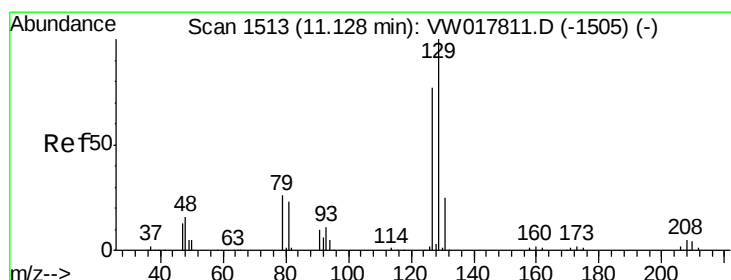
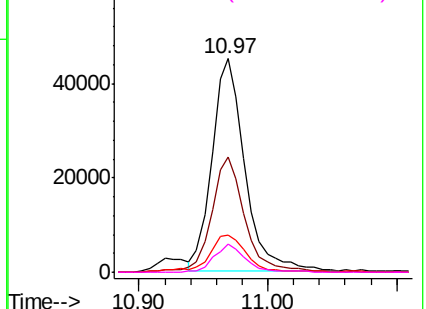


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.607 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017844.D

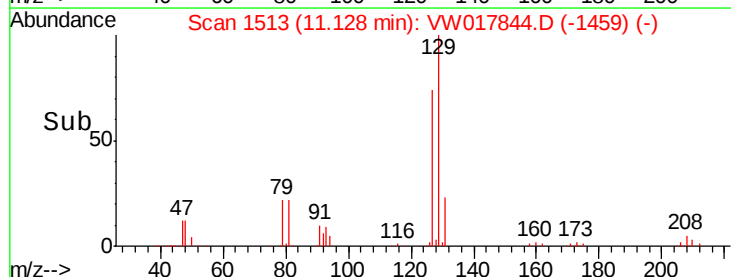
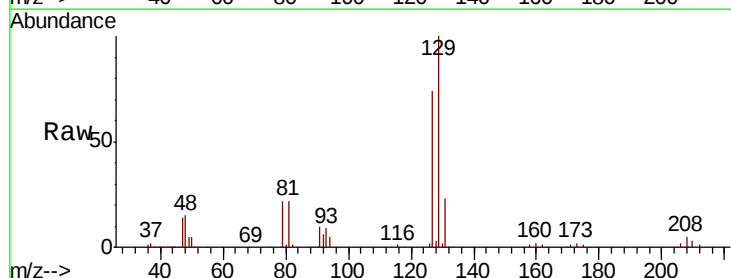
Acq: 12 Jan 2021 18:37

Tgt Ion: 129 Resp: 96974

Ion Ratio Lower Upper

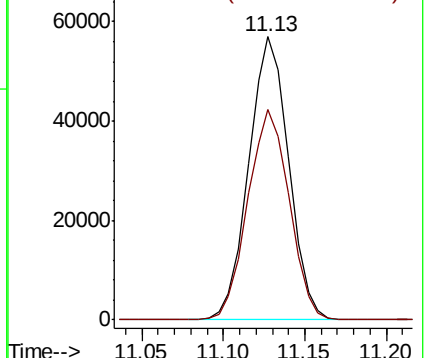
129 100

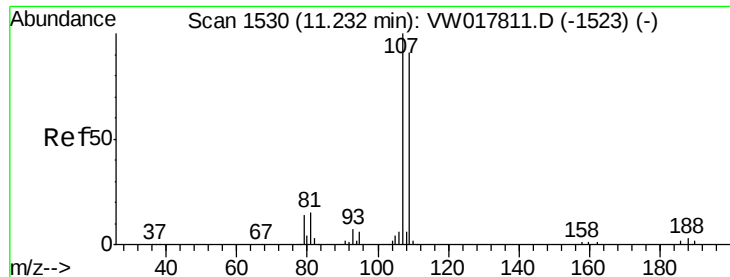
127 74.4 56.1 104.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

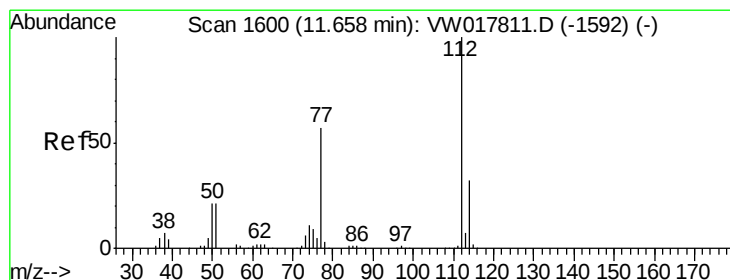
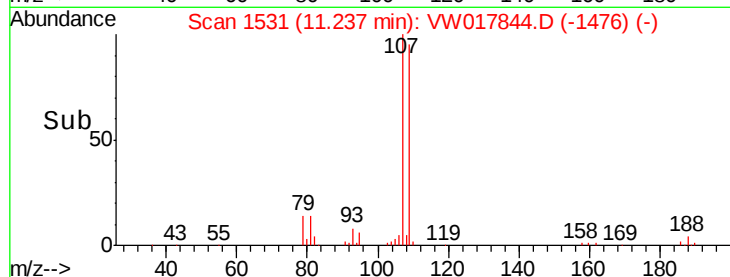
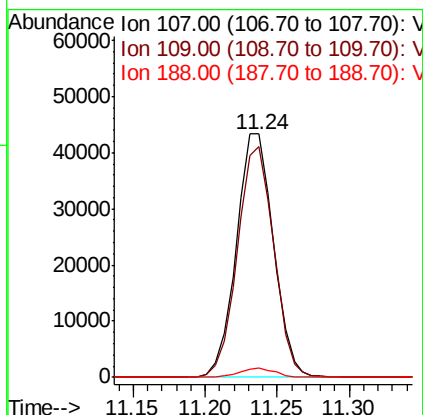
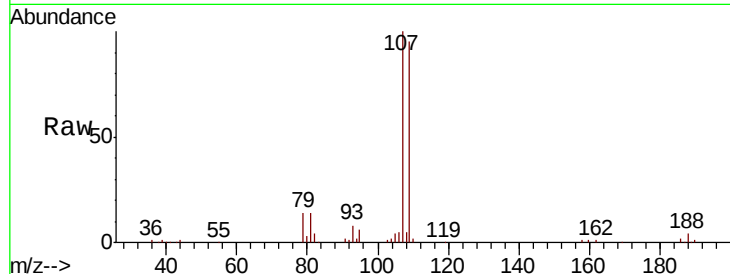




#51
1,2-Dibromoethane
Concen: 25.673 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW017844.D
Acq: 12 Jan 2021 18:37

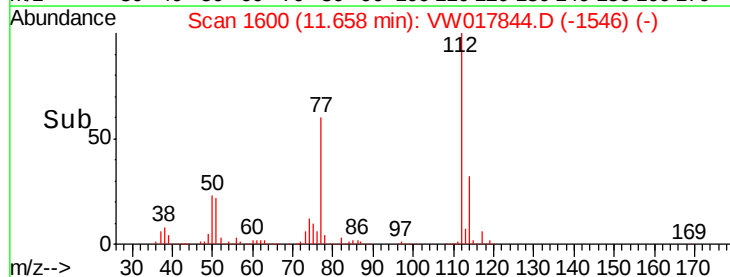
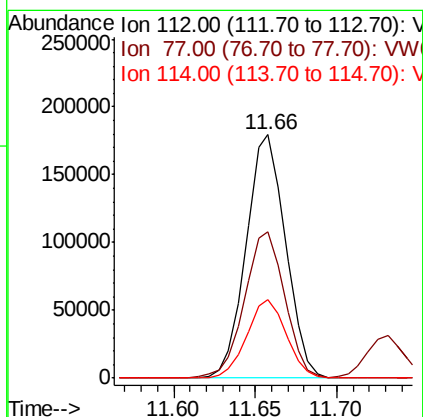
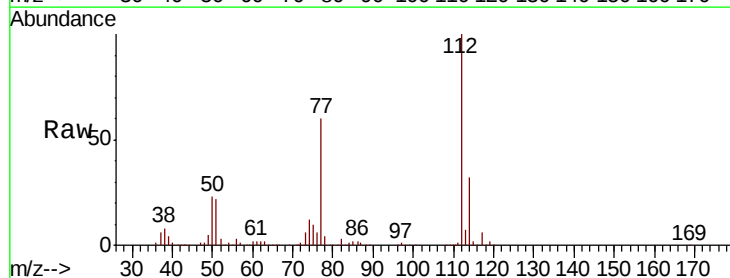
Instrument :
MSVOA_W
ClientSampleId :

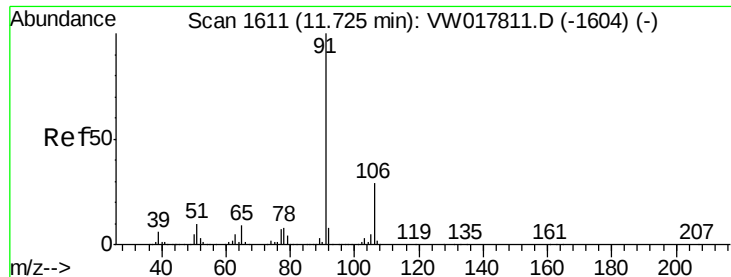
Tot Ion:107 Resp: 77530
Ion Ratio Lower Upper
107 100
109 95.1 68.5 127.1
188 4.1 2.7 4.1#



#52
Chlorobenzene
Concen: 23.444 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017844.D
Acq: 12 Jan 2021 18:37

Tgt Ion:112 Resp: 303369
Ion Ratio Lower Upper
112 100
77 59.9 43.4 65.2
114 32.5 21.6 40.2

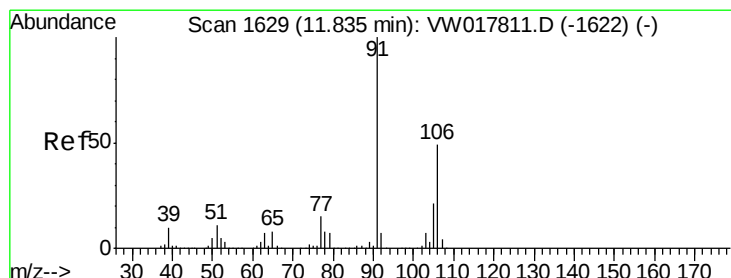
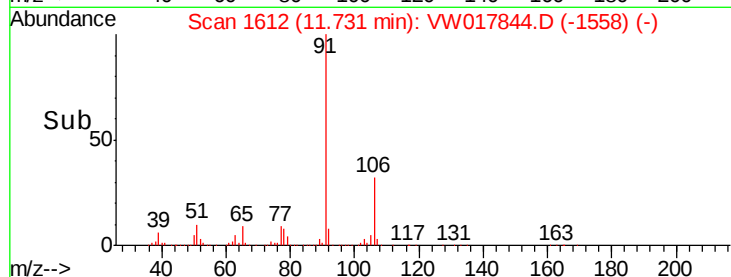
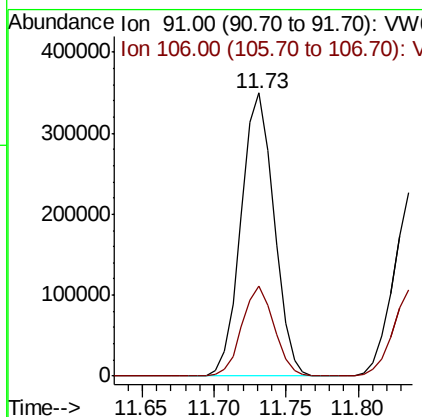
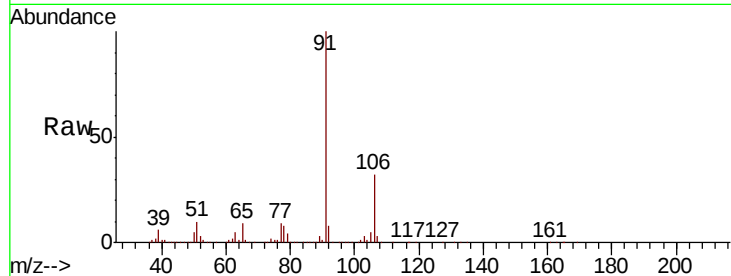




#53
Ethylbenzene
Concen: 23.660 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017844.D
Acq: 12 Jan 2021 18:37

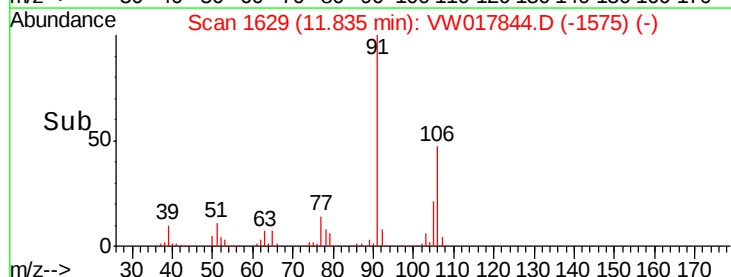
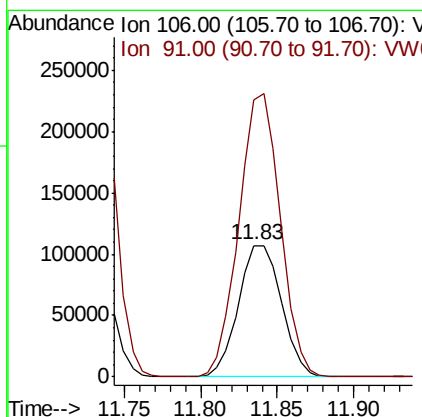
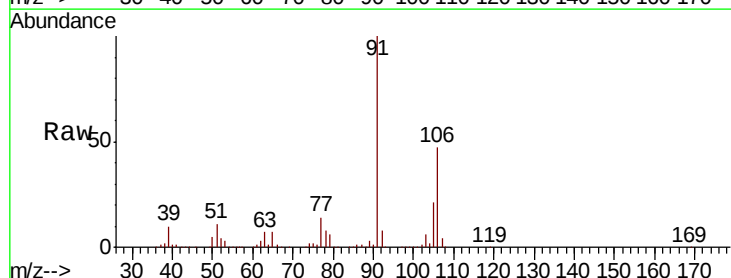
Instrument :
MSVOA_W
ClientSampled :

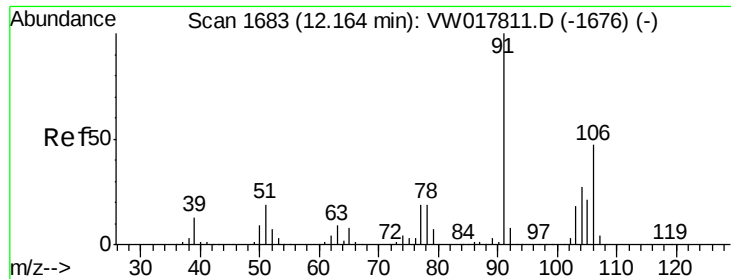
Tot Ion: 91 Resp: 556472
Ion Ratio Lower Upper
91 100
106 31.7 22.0 41.0



#54
m,p-Xylene
Concen: 22.845 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW017844.D
Acq: 12 Jan 2021 18:37

Tgt Ion: 106 Resp: 210186
Ion Ratio Lower Upper
106 100
91 211.1 141.6 263.0

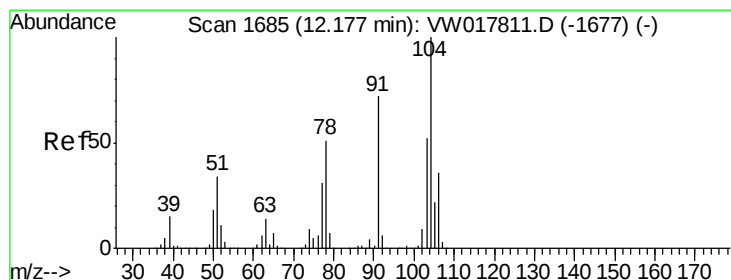
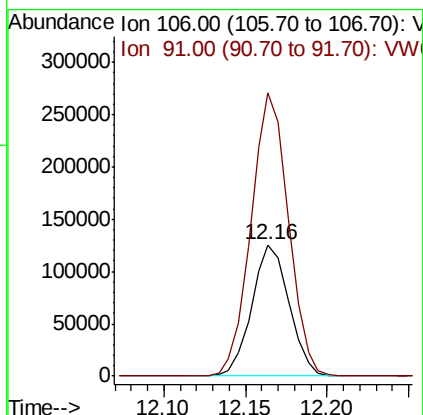
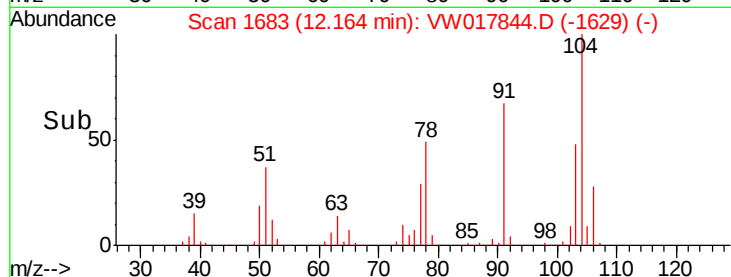
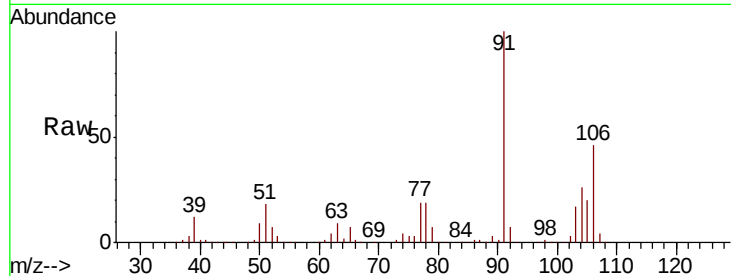




#55
o-xylene
Concen: 23.031 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW017844.D
Acq: 12 Jan 2021 18:37

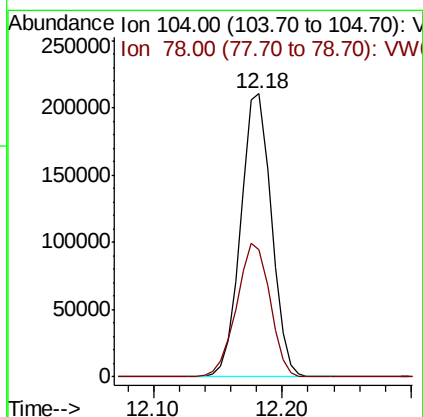
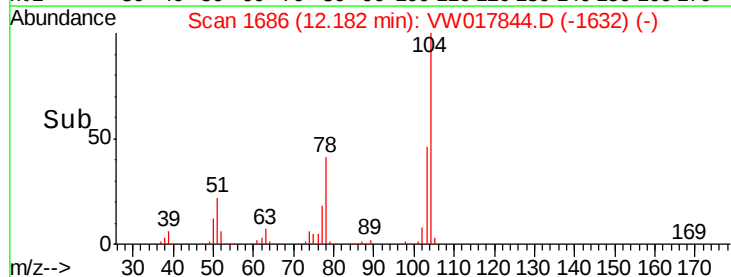
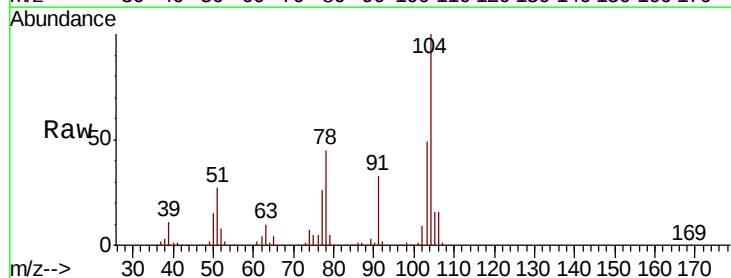
Instrument :
MSVOA_W
ClientSampled :

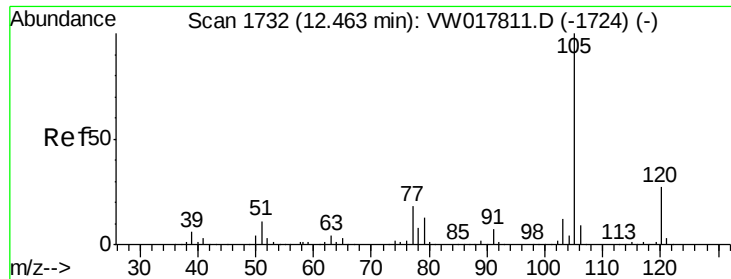
Tot Ion:106 Resp: 199278
Ion Ratio Lower Upper
106 100
91 215.6 145.7 270.7



#56
Styrene
Concen: 24.115 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017844.D
Acq: 12 Jan 2021 18:37

Tgt Ion:104 Resp: 347075
Ion Ratio Lower Upper
104 100
78 44.7 31.6 58.8





#57

Isopropylbenzene

Concen: 23.354 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

ClientSampled :

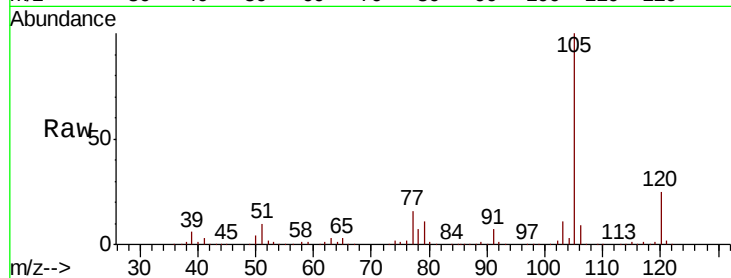
Tot Ion:105 Resp: 559450

Ion Ratio Lower Upper

105 100

120 26.2 21.4 32.2

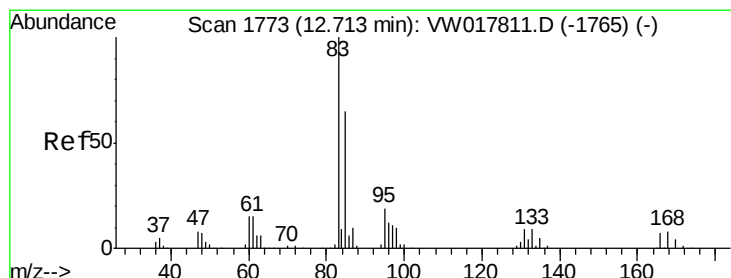
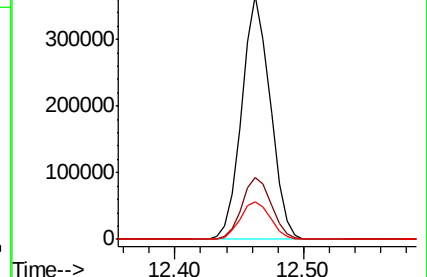
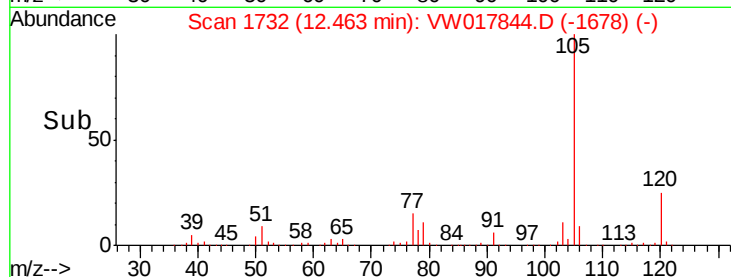
77 16.5 12.7 19.1



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: 26.258 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

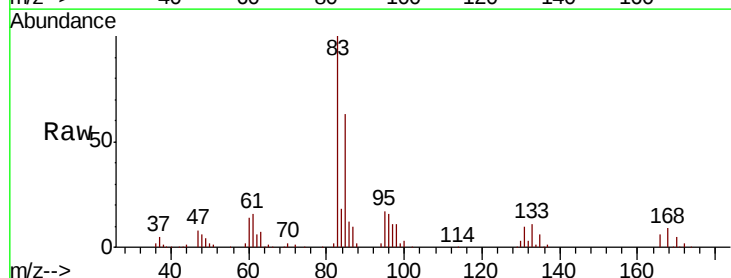
Tgt Ion: 83 Resp: 93489

Ion Ratio Lower Upper

83 100

85 62.9 45.6 84.8

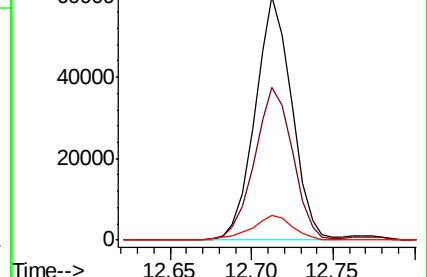
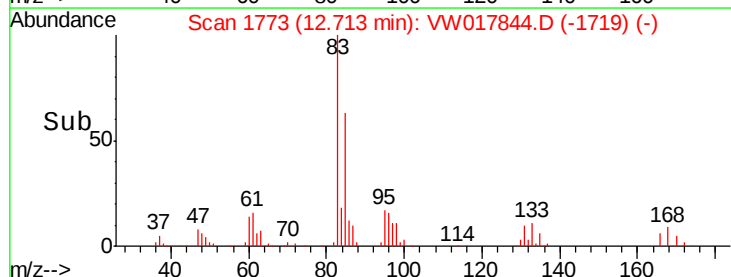
131 10.1 7.8 11.8

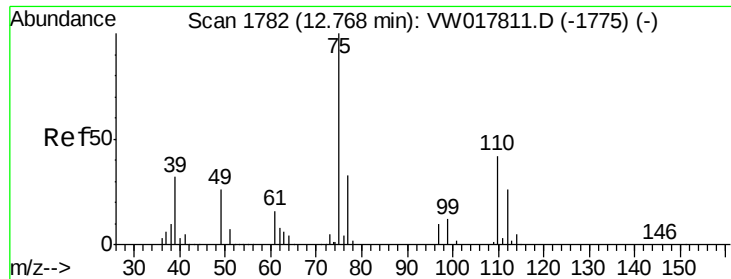


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.315 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

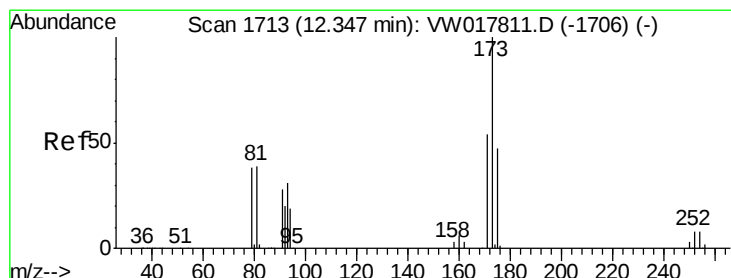
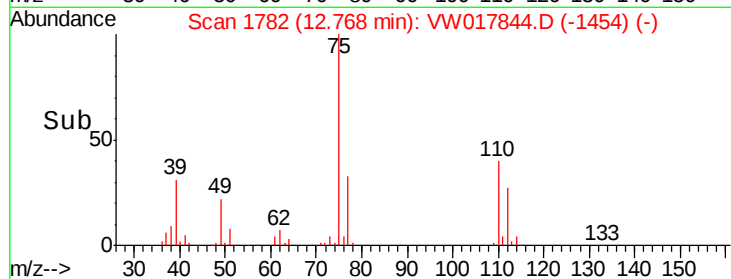
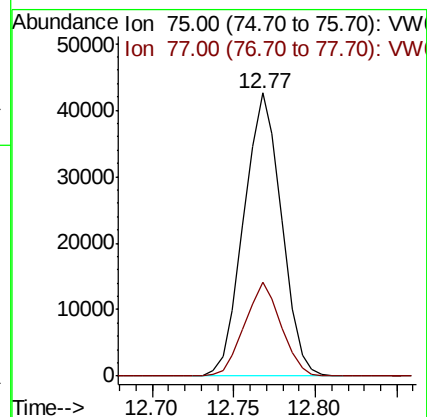
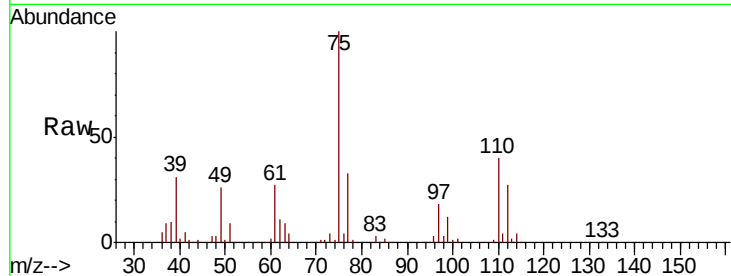
ClientSampleId :

Tot Ion: 75 Resp: 68871

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0



#62

Bromoform

Concen: 24.535 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

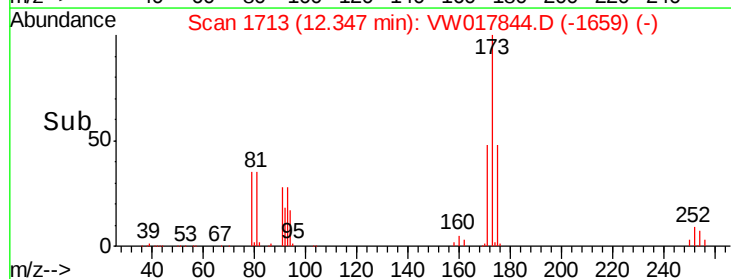
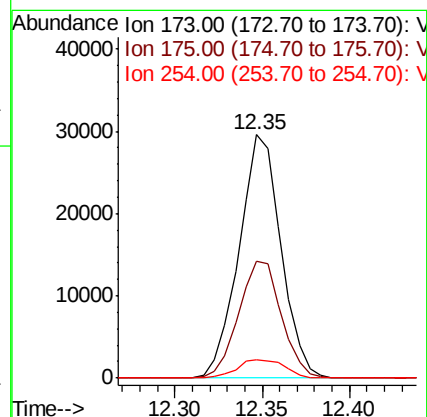
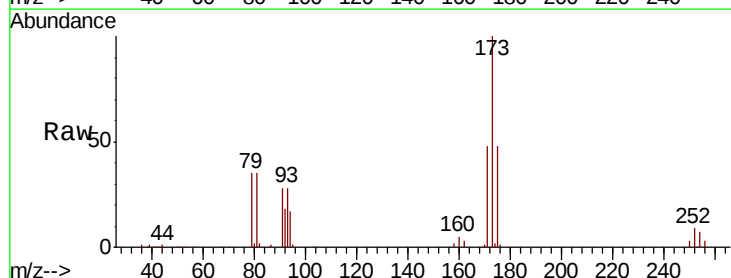
Tgt Ion: 173 Resp: 49350

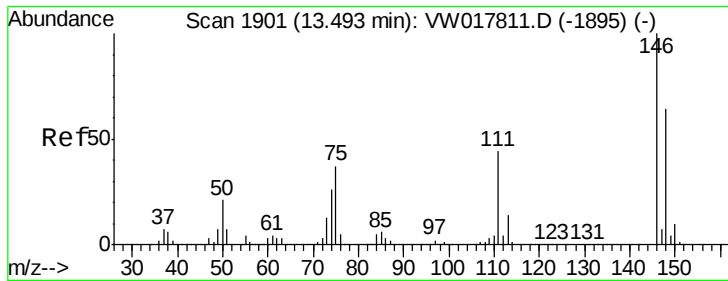
Ion Ratio Lower Upper

173 100

175 48.8 38.1 57.1

254 8.4 6.7 10.1

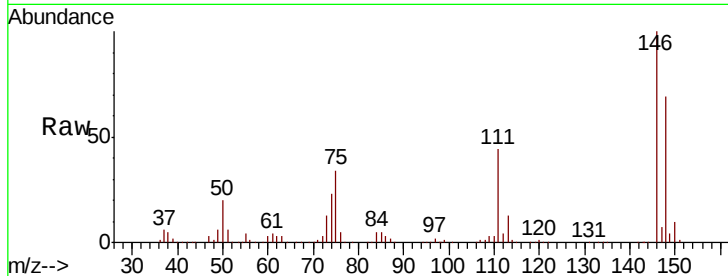




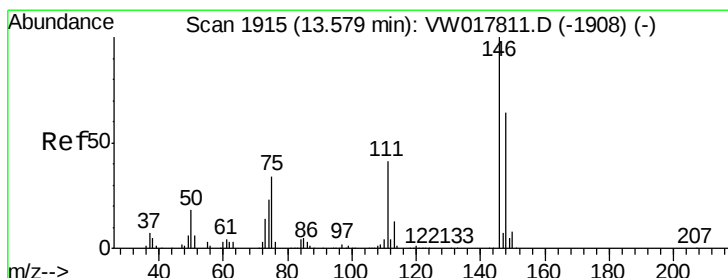
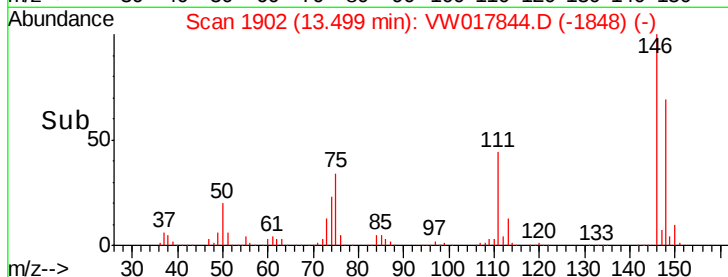
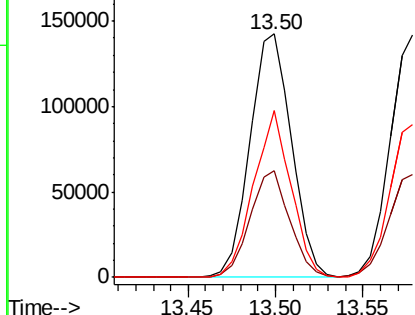
#63
 1,3-Dichlorobenzene
 Concen: 23.192 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017844.D
 Acq: 12 Jan 2021 18:37

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 235303
 Ion Ratio Lower Upper
 146 100
 111 43.6 29.5 54.7
 148 68.5 47.7 88.5

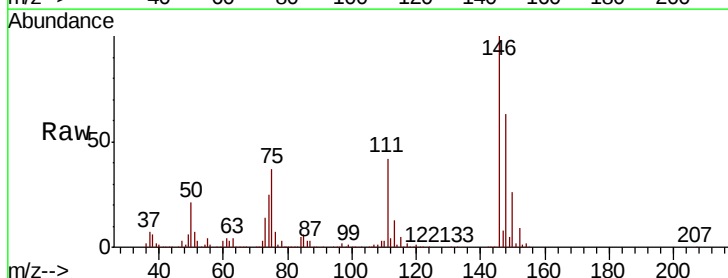


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

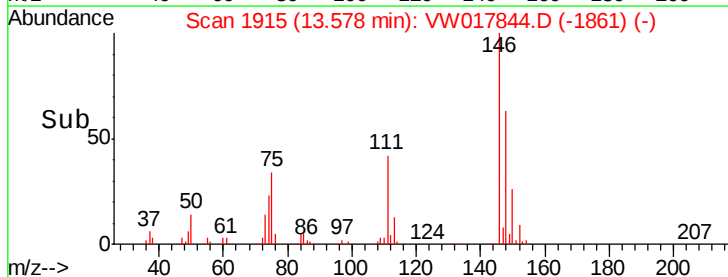
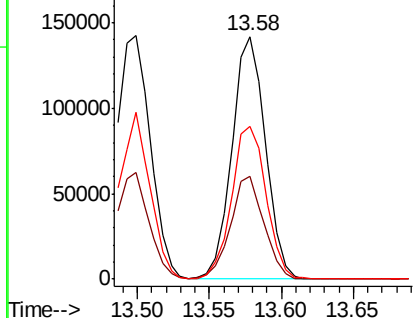


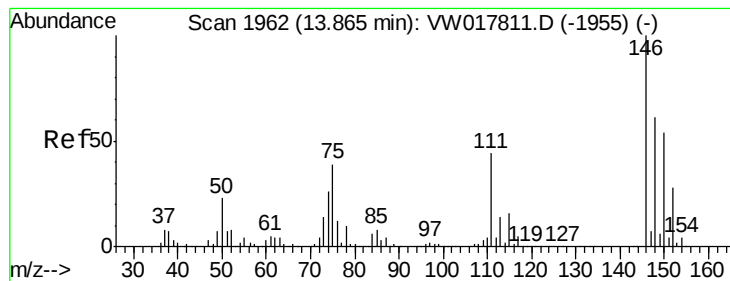
#64
 1,4-Dichlorobenzene
 Concen: 22.639 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017844.D
 Acq: 12 Jan 2021 18:37

Tgt Ion:146 Resp: 230830
 Ion Ratio Lower Upper
 146 100
 111 42.2 27.7 51.5
 148 63.1 44.2 82.2



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





#65

1,2-Dichlorobenzene

Concen: 23.088 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

ClientSampleId :

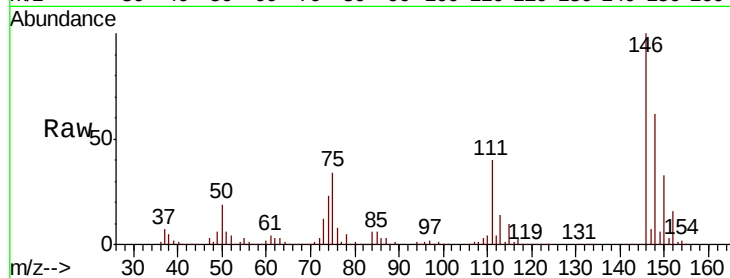
Tot Ion:146 Resp: 205836

Ion Ratio Lower Upper

146 100

111 40.5 34.4 51.6

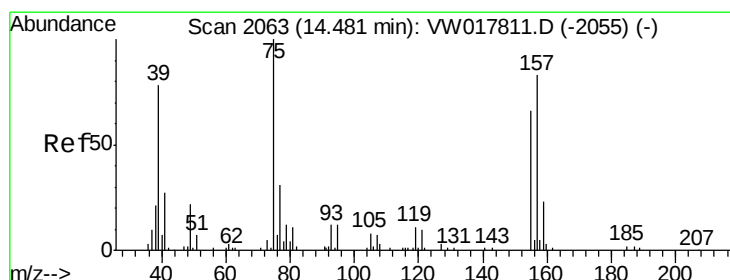
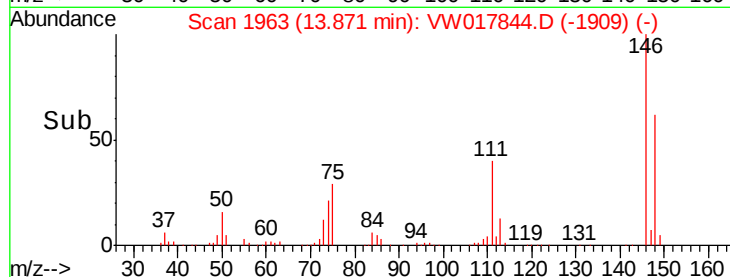
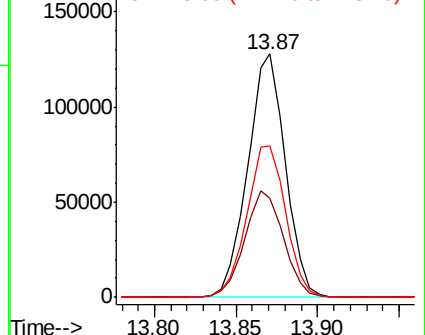
148 62.1 50.6 76.0



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: 25.130 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

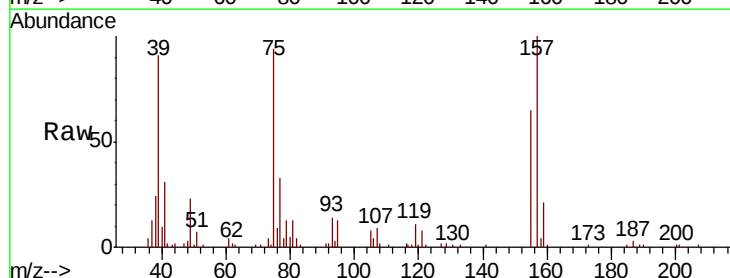
Tgt Ion: 75 Resp: 14756

Ion Ratio Lower Upper

75 100

157 106.4 70.2 105.4#

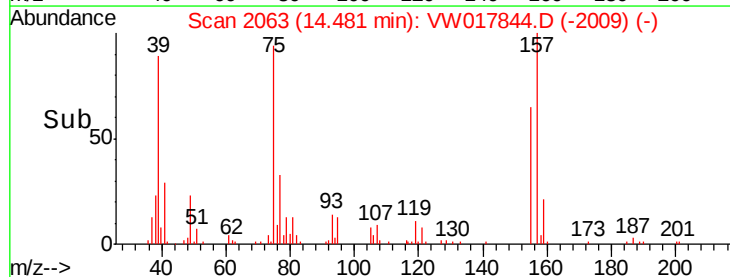
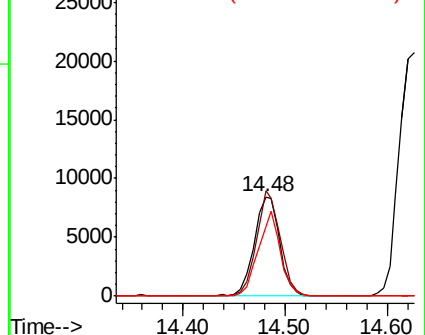
155 69.4 59.8 89.6

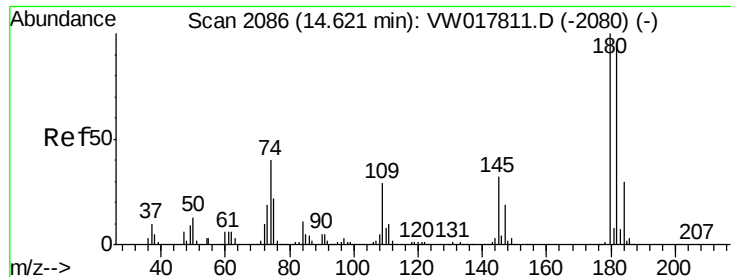


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

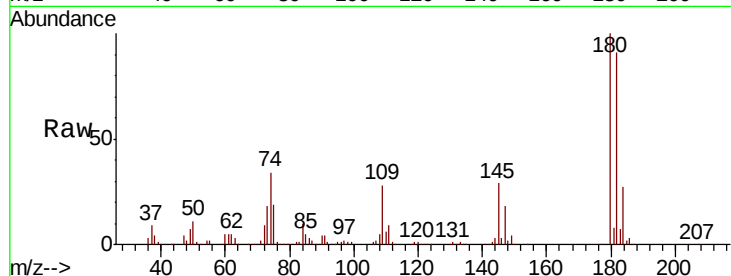




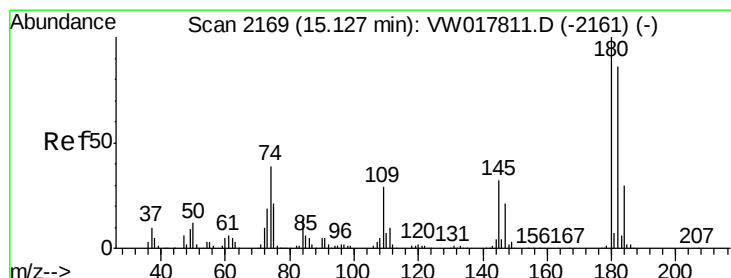
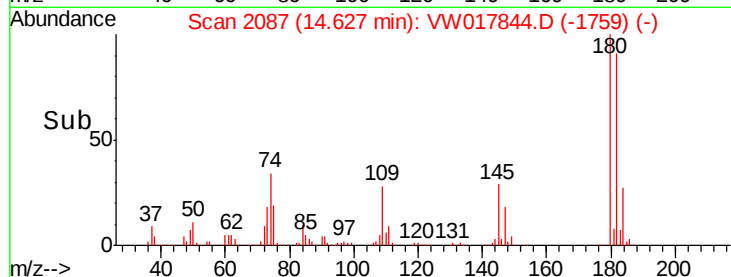
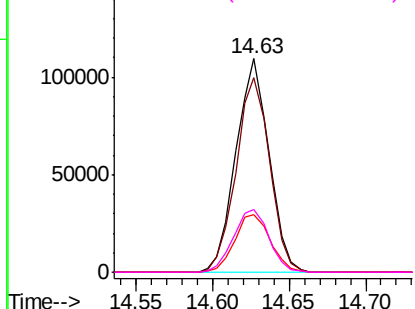
#67
 1,3,5-Trichlorobenzene
 Concen: 23.621 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017844.D
 Acq: 12 Jan 2021 18:37

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 164300
 Ion Ratio Lower Upper
 180 100
 182 92.5 76.2 114.2
 184 29.0 23.6 35.4
 145 31.5 25.2 37.8

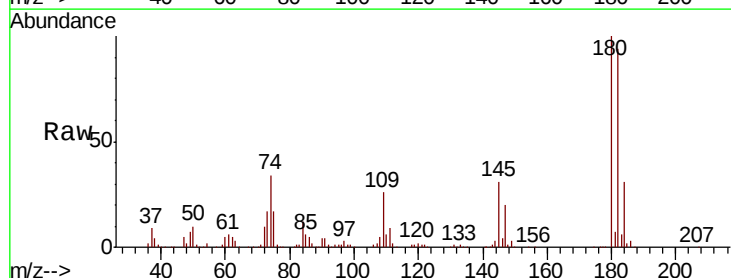


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

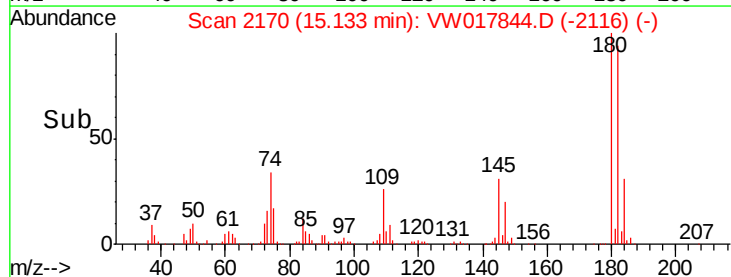
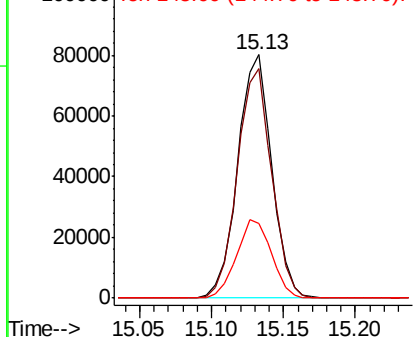


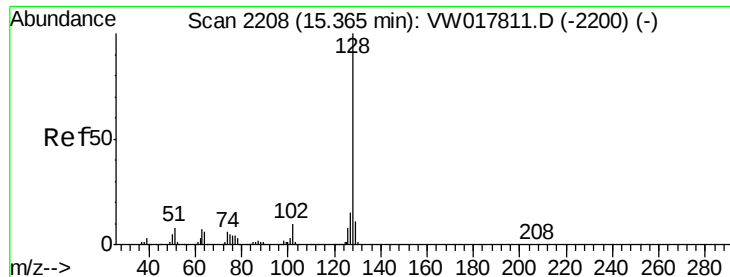
#68
 1,2,4-trichlorobenzene
 Concen: 22.855 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017844.D
 Acq: 12 Jan 2021 18:37

Tgt Ion:180 Resp: 130847
 Ion Ratio Lower Upper
 180 100
 182 95.6 73.0 109.6
 145 33.2 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: 23.347 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

Instrument :

MSVOA_W

ClientSampleId :

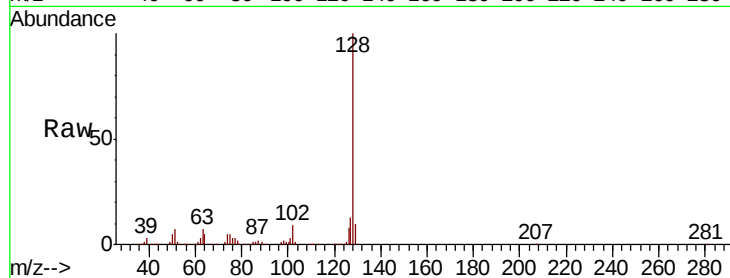
Tot Ion:128 Resp: 254550

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 13.6 10.6 15.8

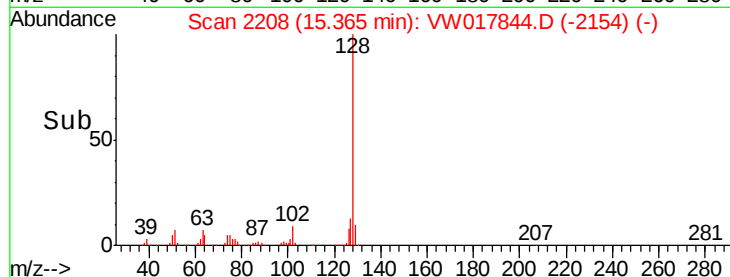


Abundance Ion 128.00 (127.70 to 128.70): V

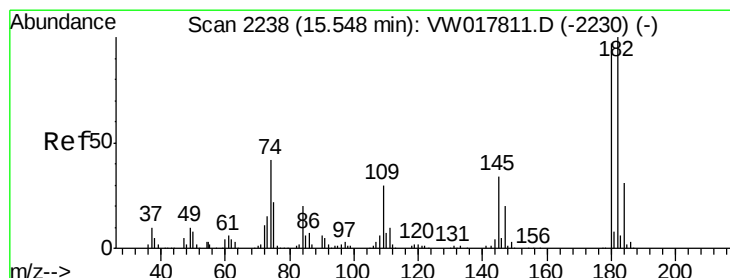
Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

15.36



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 23.110 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW017844.D

Acq: 12 Jan 2021 18:37

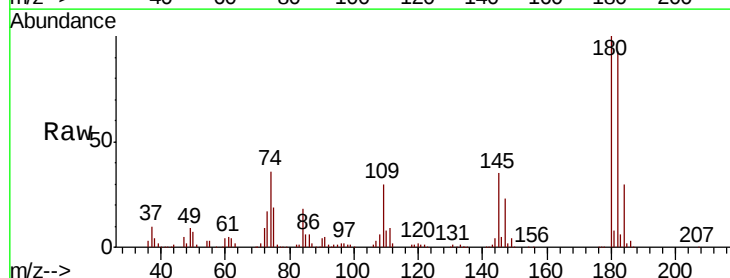
Tgt Ion:180 Resp: 111727

Ion Ratio Lower Upper

180 100

182 93.7 74.8 112.2

145 33.9 28.6 43.0

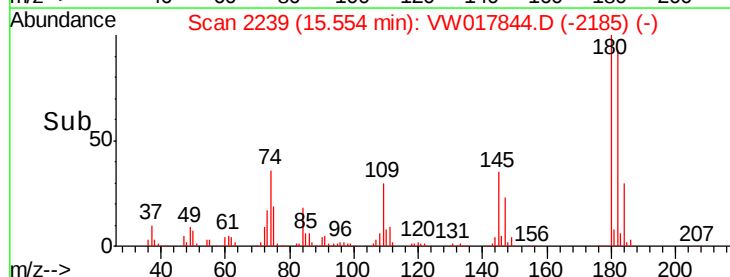


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

15.55



Time-->