

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011121\
 Data File : VW017811.D
 Acq On : 11 Jan 2021 11:08
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 12 05:00:46 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	293298	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	268828	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	136610	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	106936	23.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.24%
7) Chloroethane-d5	2.89	69	93252	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.60%
10) 1,1-Dichloroethene-d2	4.03	63	203365	25.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.88%
20) 2-Butanone-d5	7.07	46	39041	53.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.16%
24) Chloroform-d	7.65	84	207014	27.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.04%
26) 1,2-Dichloroethane-d4	8.31	65	109118	27.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.04%
29) Benzene-d6	8.27	84	386717	25.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.16%
33) 1,2-Dichloropropane-d6	9.27	67	115115	27.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.32%
37) Toluene-d8	10.32	98	375463	25.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.28%
38) trans-1,3-Dichloropropene-	10.57	79	49376	26.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.16%
39) 2-Hexanone-d5	10.92	63	27946	53.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	81277	26.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	116157	24.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	68838	21.258	ug/L	98
3) Chloromethane	2.21	50	69928	24.295	ug/L	100
5) Vinyl chloride	2.36	62	121837	25.021	ug/L	98
6) Bromomethane	2.78	94	87757	24.304	ug/L	100
8) Chloroethane	2.92	64	80841	26.480	ug/L	99
9) Trichlorofluoromethane	3.26	101	90471	22.645	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	96951	26.001	ug/L	95
12) 1,1-Dichloroethene	4.04	96	92492	25.588	ug/L	93
13) Acetone	4.13	43	27621	43.488	ug/L	96
14) Carbon disulfide	4.39	76	273861	25.373	ug/L	98
15) Methyl Acetate	4.67	43	31625	25.690	ug/L	97
16) Methylene chloride	4.92	84	94695	22.577	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	116809	25.499	ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	100859	25.869	ug/L	97
19) 1,1-Dichloroethane	6.21	63	186803	28.044	ug/L	97
21) 2-Butanone	7.17	43	42837	50.141	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	106470	25.988	ug/L	91

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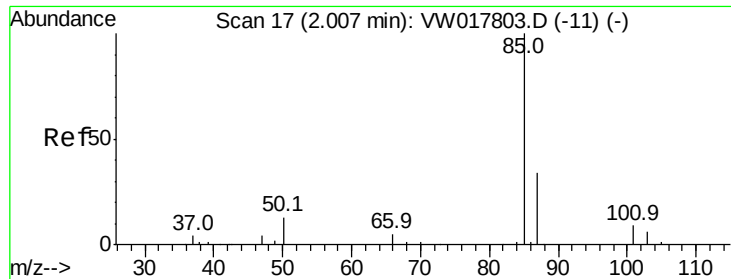
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 12 05:00:46 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)

23) Bromochloromethane	7.51	128	43015	24.785	ug/L #	75
25) Chloroform	7.67	83	192181	27.419	ug/L	99
27) 1,2-Dichloroethane	8.40	62	127649	28.155	ug/L	99
30) Cyclohexane	7.96	56	173035	27.042	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	162952	26.352	ug/L	96
32) Carbon tetrachloride	8.07	117	156743	26.867	ug/L	99
34) Benzene	8.32	78	428843	27.900	ug/L	100
35) Trichloroethene	9.09	95	114199	26.841	ug/L	95
36) Methylcyclohexane	9.34	83	199638	26.842	ug/L	95
40) 1,2-Dichloropropane	9.37	63	103800	28.606	ug/L	99
41) Bromodichloromethane	9.65	83	142414	28.672	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	162844	28.123	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	97307	55.197	ug/L	97
44) Toluene	10.38	91	481647	27.480	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	138675	28.124	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	69368	25.719	ug/L	96
47) Tetrachloroethene	10.86	164	87830	26.404	ug/L	95
49) 2-Hexanone	10.97	43	66794	53.403	ug/L	94
50) Dibromochloromethane	11.13	129	88273	27.567	ug/L	96
51) 1,2-Dibromoethane	11.23	107	67652	26.494	ug/L	94
52) Chlorobenzene	11.66	112	294024	26.872	ug/L	96
53) Ethylbenzene	11.73	91	548907	27.601	ug/L	96
54) m,p-Xylene	11.84	106	209827	26.972	ug/L	100
55) o-xylene	12.16	106	194870	26.635	ug/L	96
56) Styrene	12.18	104	327064	26.875	ug/L	92
57) Isopropylbenzene	12.46	105	541074	26.713	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	78990	26.239	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	58563	26.464	ug/L	98
62) Bromoform	12.35	173	43340	25.928	ug/L	99
63) 1,3-Dichlorobenzene	13.49	146	218544	25.919	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	215844	25.473	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	191997	25.914	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	12892	26.419	ug/L	93
67) 1,3,5-Trichlorobenzene	14.62	180	150397	26.018	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	123540	25.965	ug/L	99
69) Naphthalene	15.36	128	209297	23.099	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	99885	24.861	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 21.258 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

Instrument :

MSVOA_W

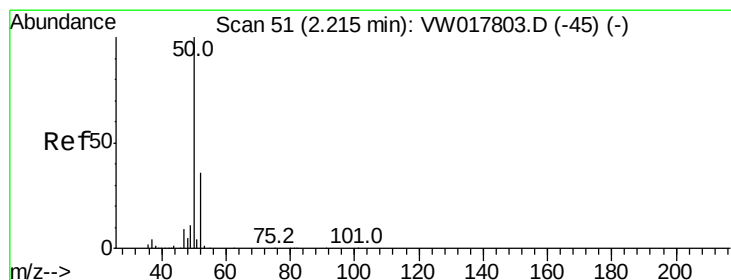
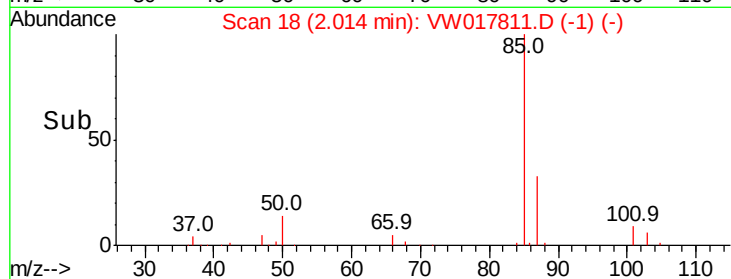
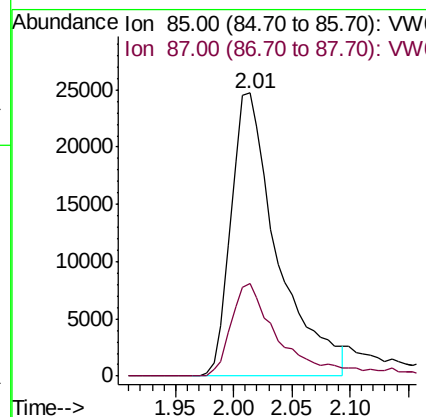
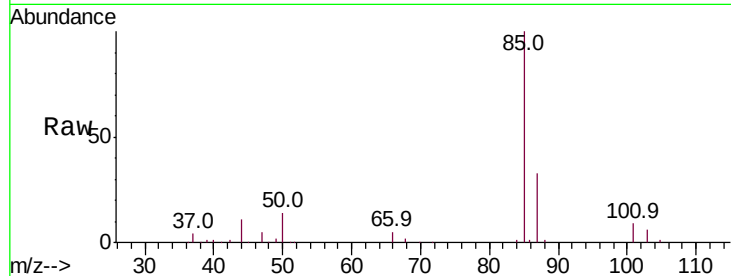
ClientSampled :

Tot Ion: 85 Resp: 68838

Ion Ratio Lower Upper

85 100

87 30.6 22.0 41.0



#3

Chloromethane

Concen: 24.295 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017811.D

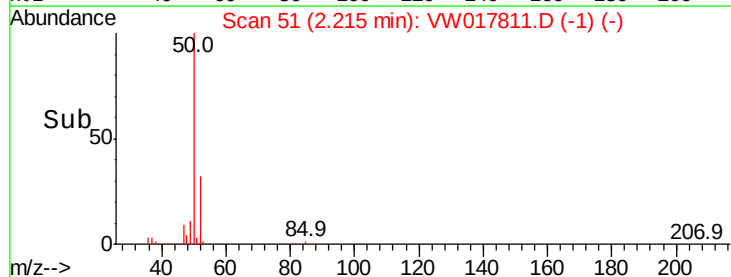
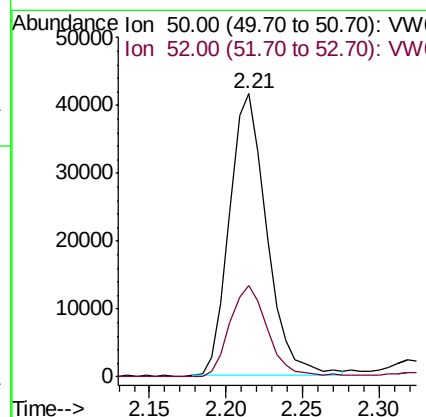
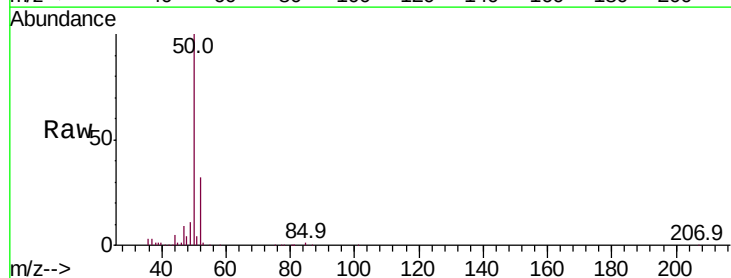
Acq: 11 Jan 2021 11:08

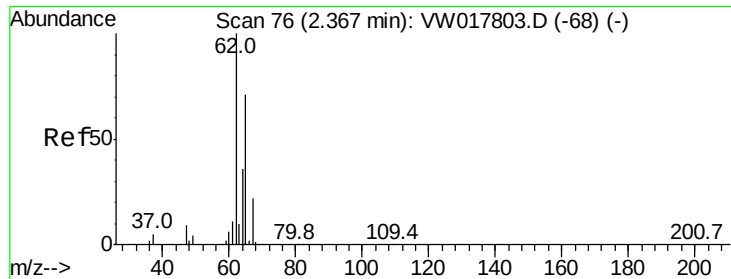
Tgt Ion: 50 Resp: 69928

Ion Ratio Lower Upper

50 100

52 32.1 22.5 41.9





#5

Vinyl chloride

Concen: 25.021 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

Instrument :

MSVOA_W

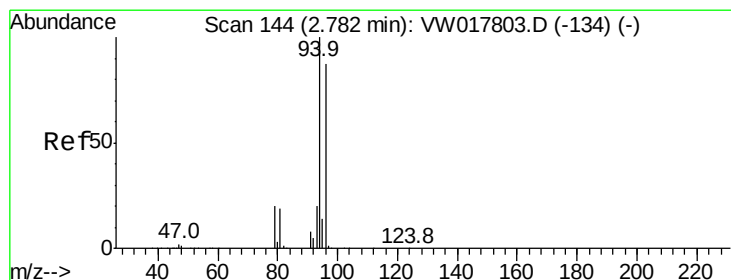
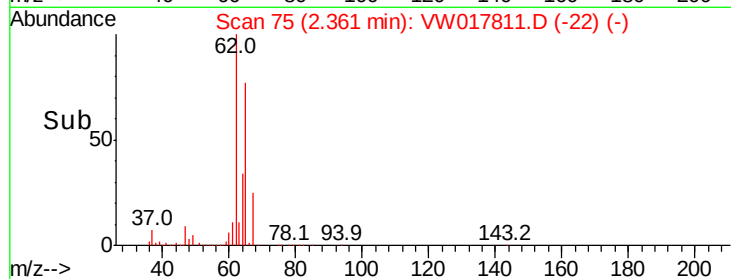
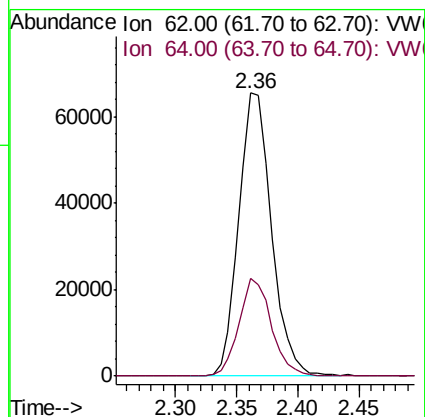
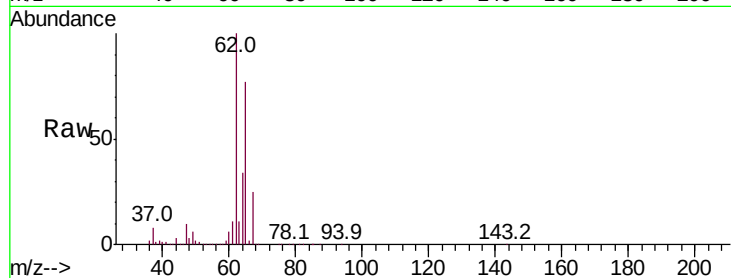
ClientSampleId :

Tot Ion: 62 Resp: 121837

Ion Ratio Lower Upper

62 100

64 34.3 23.3 43.3



#6

Bromomethane

Concen: 24.304 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017811.D

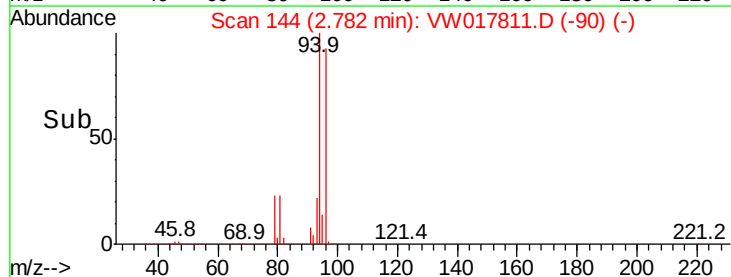
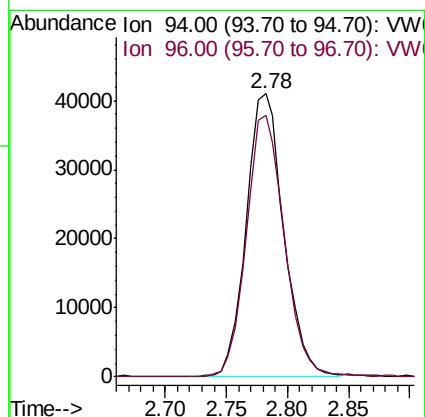
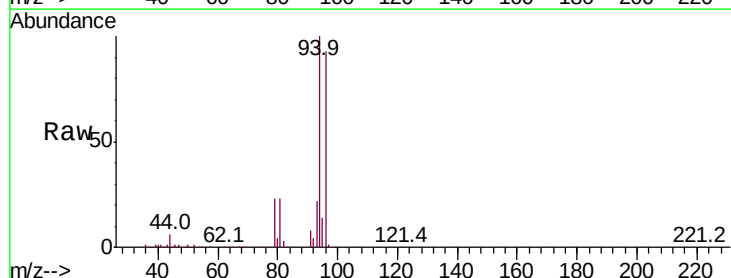
Acq: 11 Jan 2021 11:08

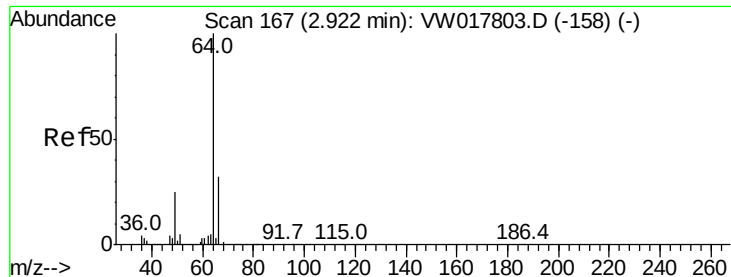
Tgt Ion: 94 Resp: 87757

Ion Ratio Lower Upper

94 100

96 93.6 9.4 178.6





#8

Chloroethane

Concen: 26.480 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

Instrument :

MSVOA_W

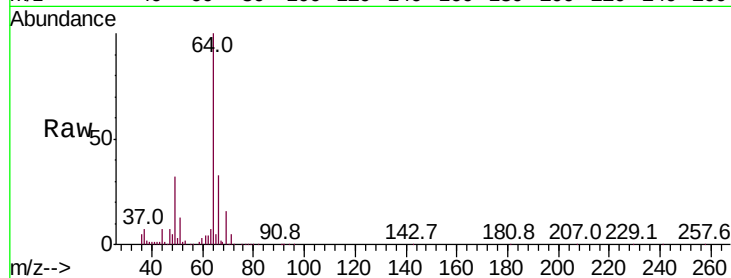
ClientSampleId :

Tot Ion: 64 Resp: 80841

Ion Ratio Lower Upper

64 100

66 32.6 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.92

40000

30000

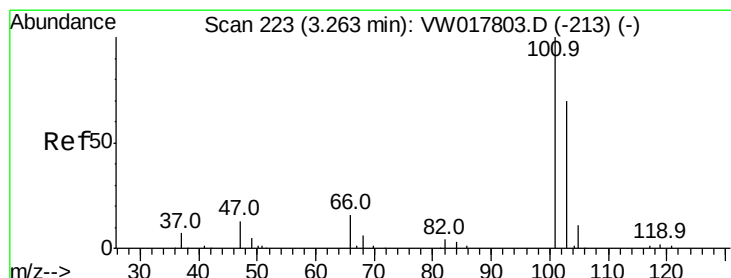
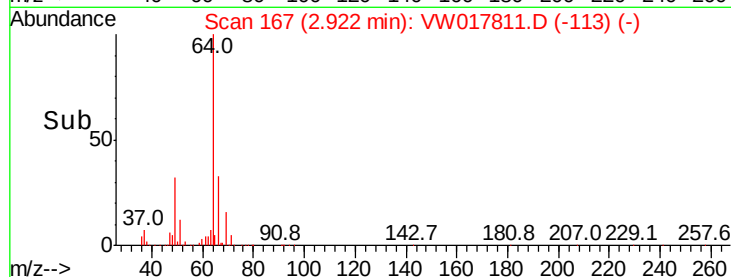
20000

10000

0

Time-->

2.85 2.90 2.95 3.00 3.05



#9

Trichlorofluoromethane

Concen: 22.645 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW017811.D

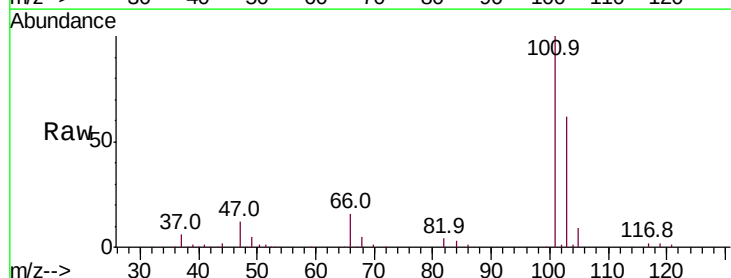
Acq: 11 Jan 2021 11:08

Tgt Ion: 101 Resp: 90471

Ion Ratio Lower Upper

101 100

103 64.3 46.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

40000

30000

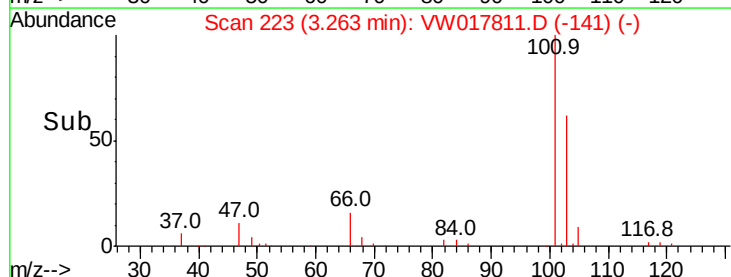
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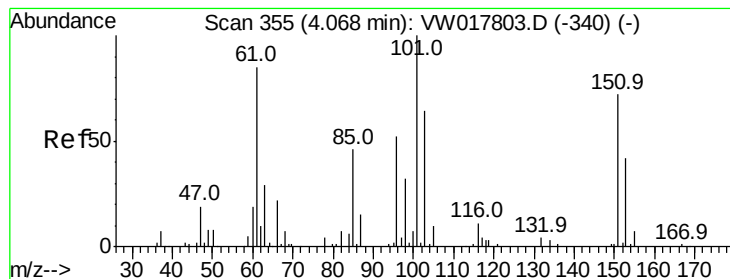
10000

0

Time-->

3.20 3.25 3.30 3.35 3.40





#11

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

Concen: 26.001 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

Instrument :

MSVOA_W

ClientSampled :

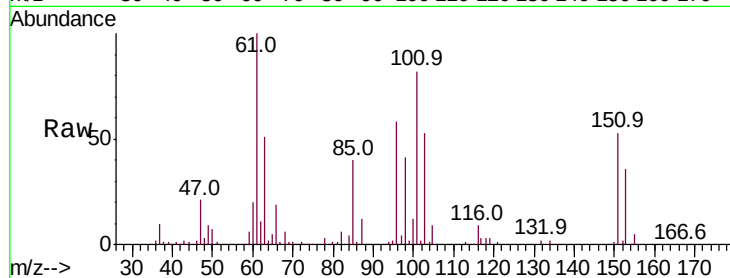
Tot Ion:101 Resp: 96951

Ion Ratio Lower Upper

101 100

85 48.6 36.7 55.1

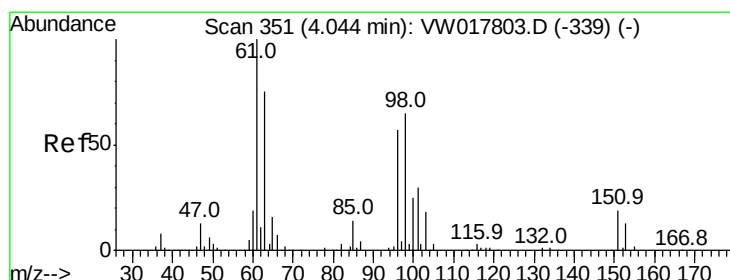
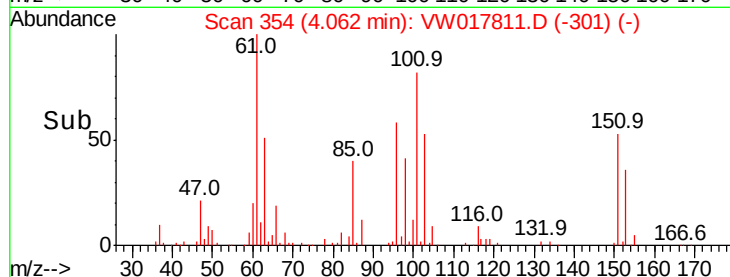
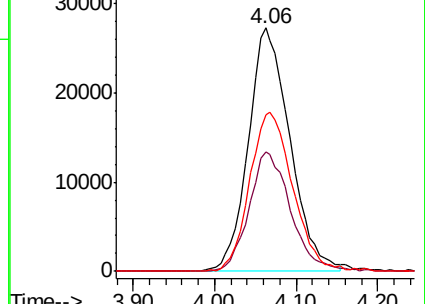
151 67.4 57.7 86.5



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: 25.588 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

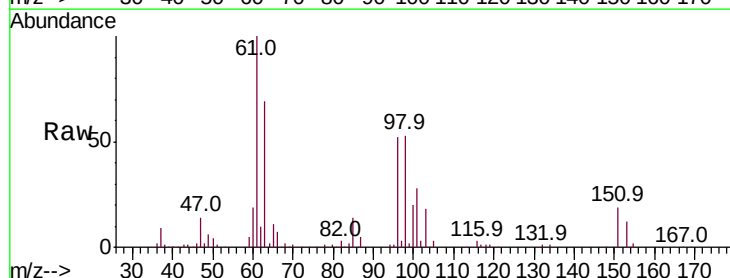
Tgt Ion: 96 Resp: 92492

Ion Ratio Lower Upper

96 100

61 192.7 126.1 234.1

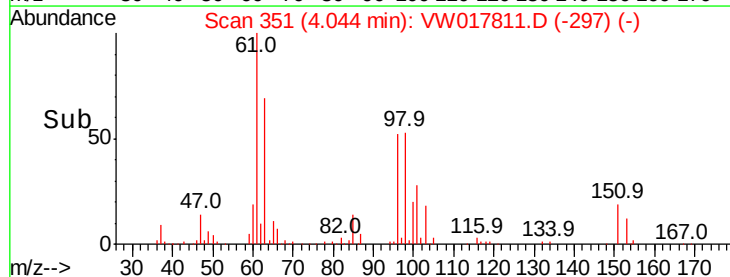
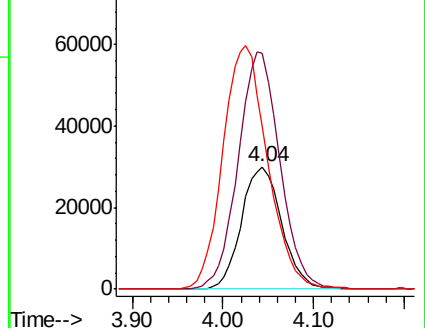
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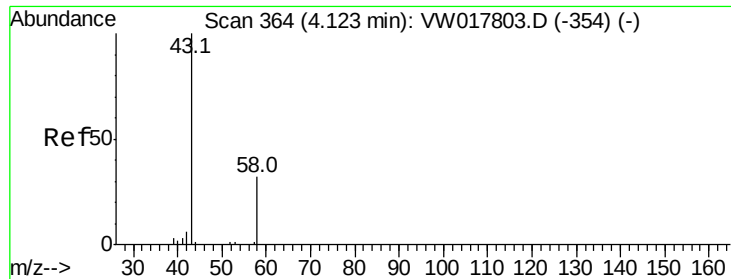


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.488 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

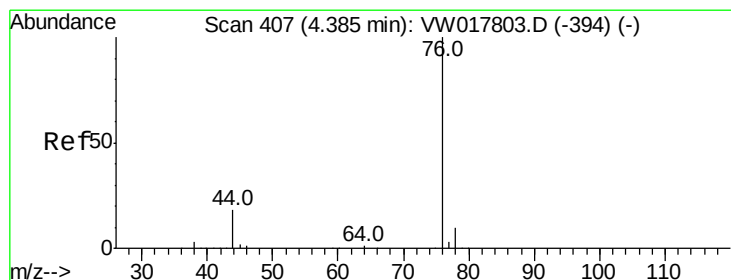
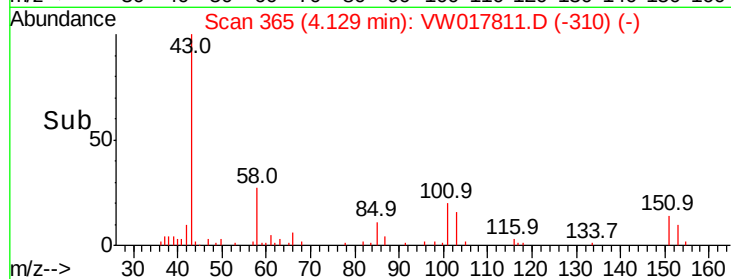
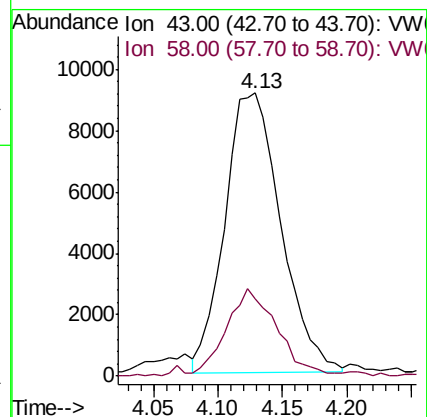
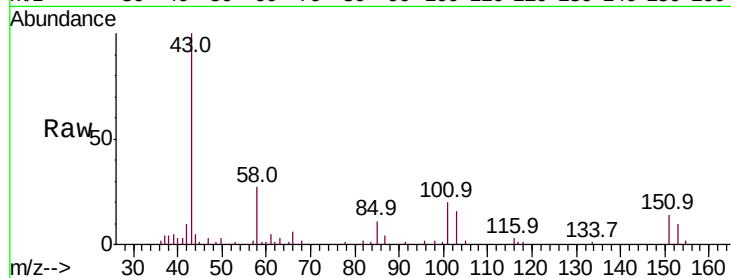
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 27621

Ion Ratio Lower Upper

43 100

58 28.3 0.0 60.8



#14

Carbon disulfide

Concen: 25.373 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW017811.D

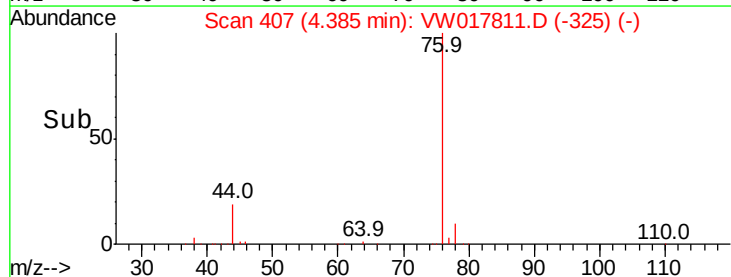
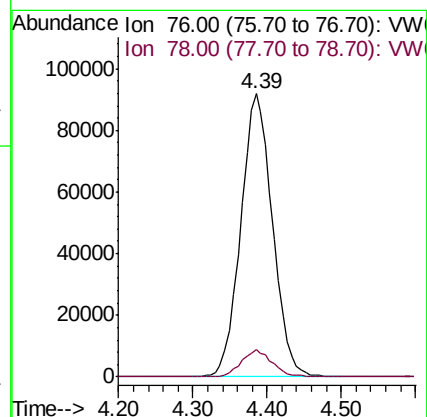
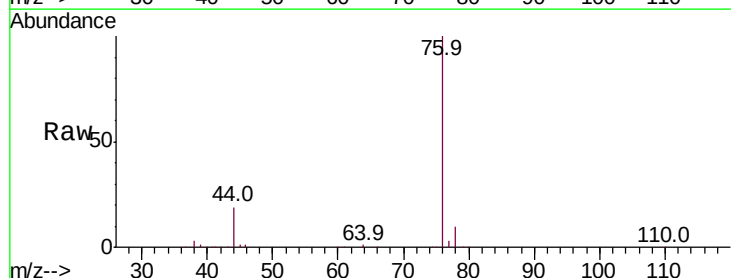
Acq: 11 Jan 2021 11:08

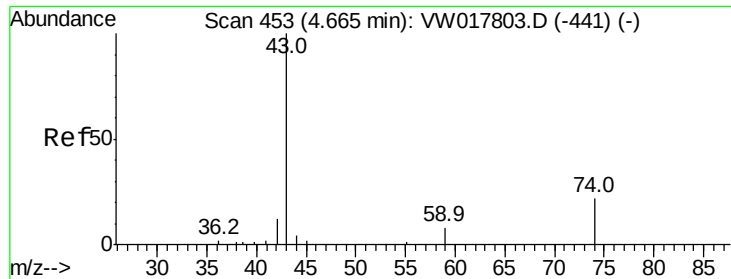
Tgt Ion: 76 Resp: 273861

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7

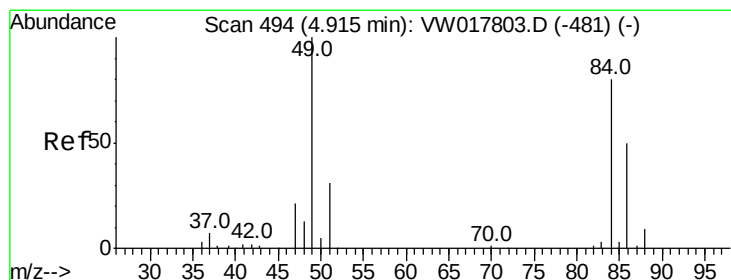
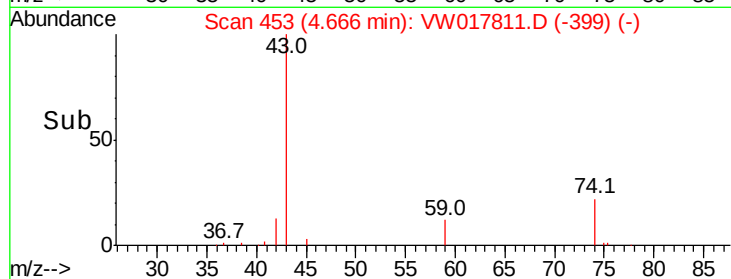
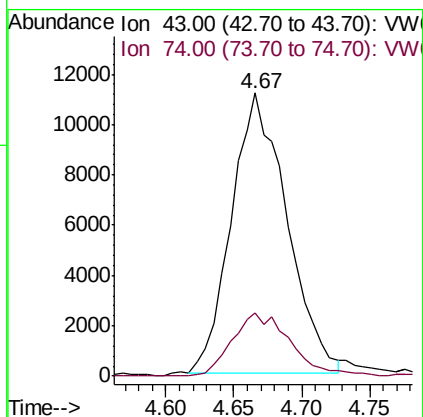
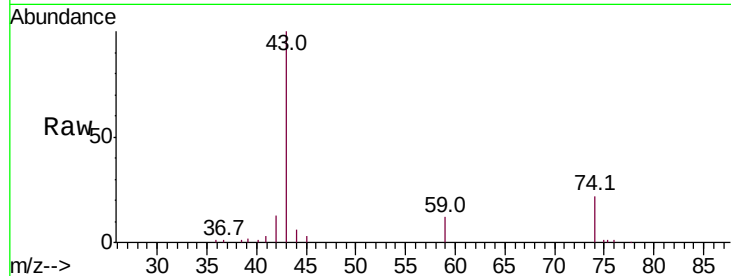




#15
Methyl Acetate
Concen: 25.690 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW017811.D
Acq: 11 Jan 2021 11:08

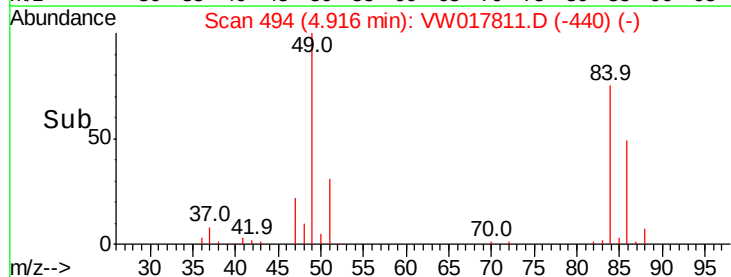
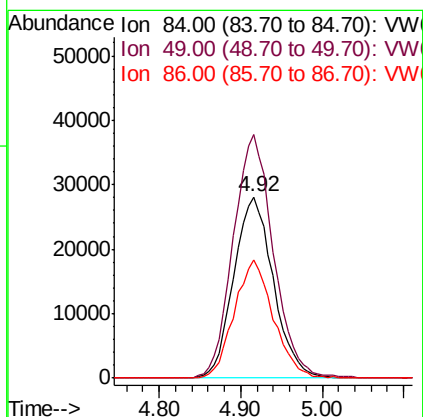
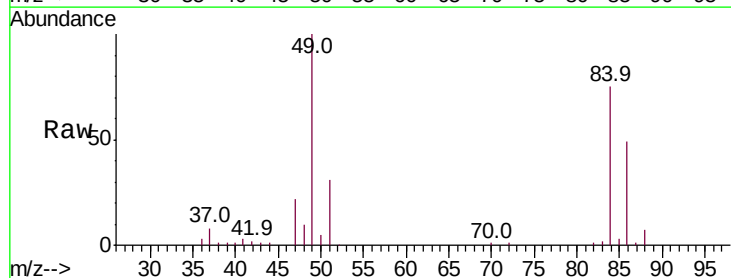
Instrument :
MSVOA_W
ClientSampleId :

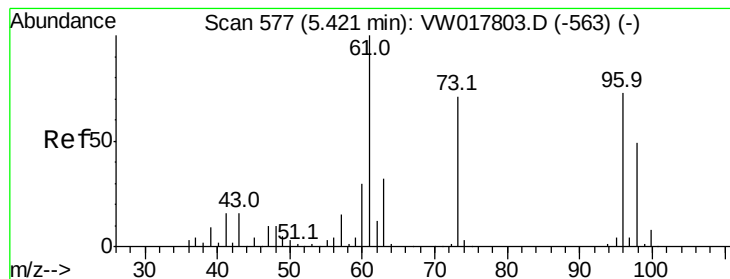
Tot Ion: 43 Resp: 31625
Ion Ratio Lower Upper
43 100
74 23.8 20.2 30.4



#16
Methylene chloride
Concen: 22.577 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW017811.D
Acq: 11 Jan 2021 11:08

Tgt Ion: 84 Resp: 94695
Ion Ratio Lower Upper
84 100
49 134.2 90.5 168.1
86 65.5 44.8 83.2





#17

Methvl tert-butyl Ether

Concen: 25.499 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

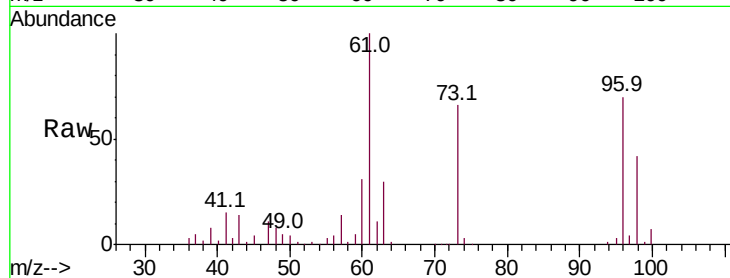
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 73 Resp: 116809

Ion	Ratio	Lower	Upper
73	100		
43	23.0	17.1	25.7
57	21.8	16.6	25.0

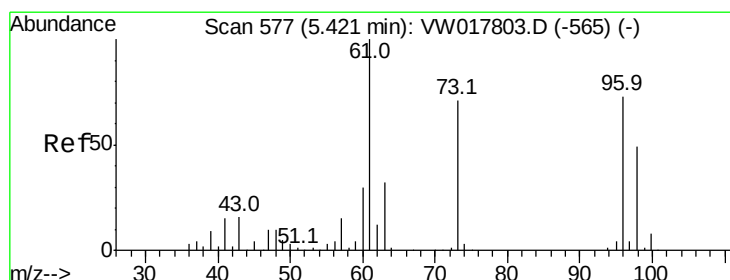
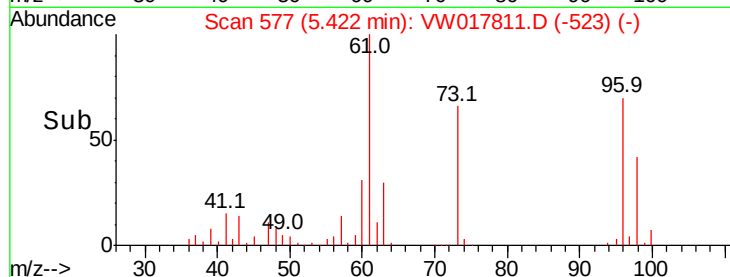
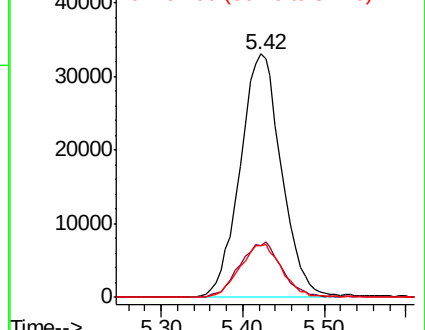


Abundance

Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 25.869 ug/L

RT: 5.42 min Scan# 577

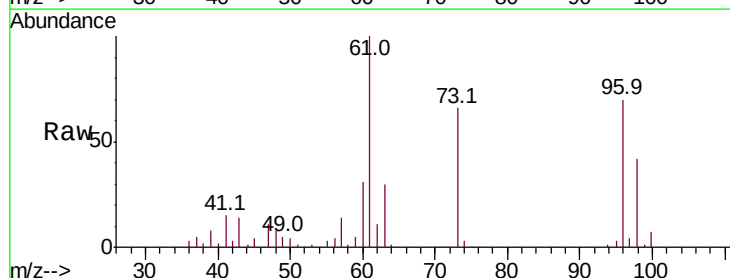
Delta R.T. 0.00 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

Tgt Ion: 96 Resp: 100859

Ion	Ratio	Lower	Upper
96	100		
61	143.5	99.5	184.9
98	59.8	45.8	85.2

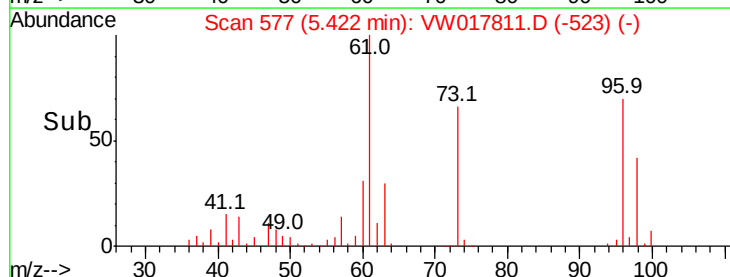
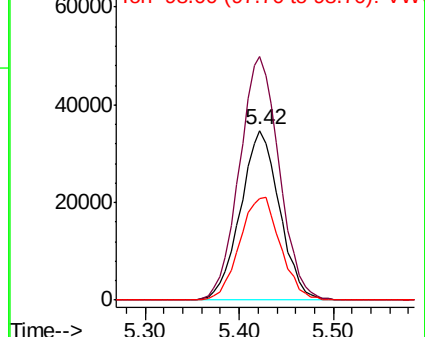


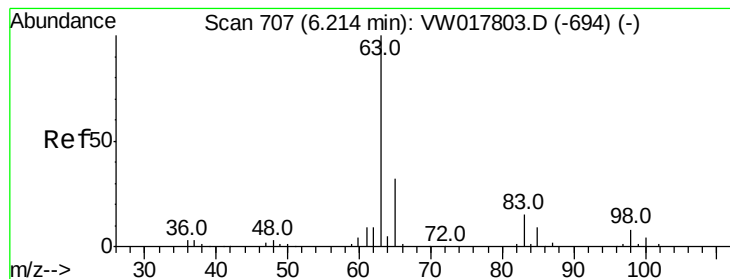
Abundance

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: 28.044 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

Instrument :
MSVOA_W
ClientSampleId :

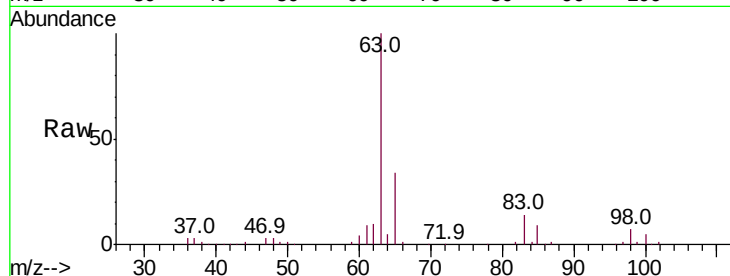
Tot Ion: 63 Resp: 186803

Ion Ratio Lower Upper

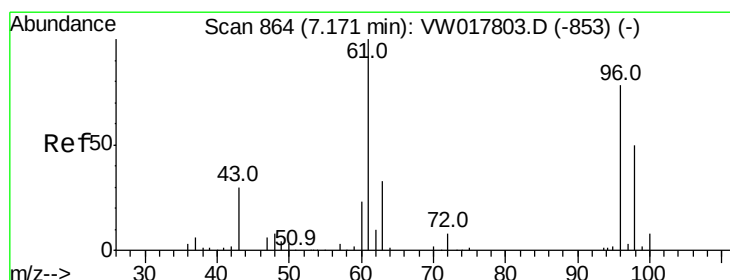
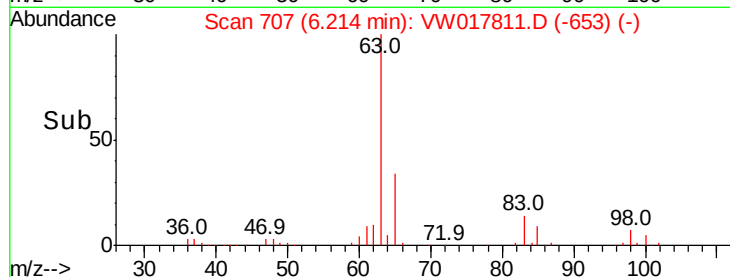
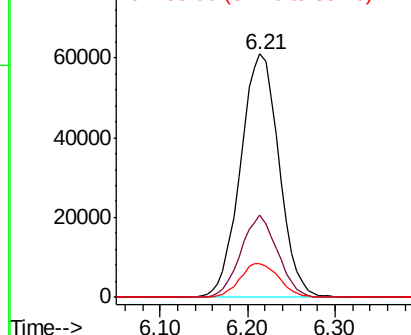
63 100

65 33.7 21.9 40.7

83 13.9 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: 50.141 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW017811.D

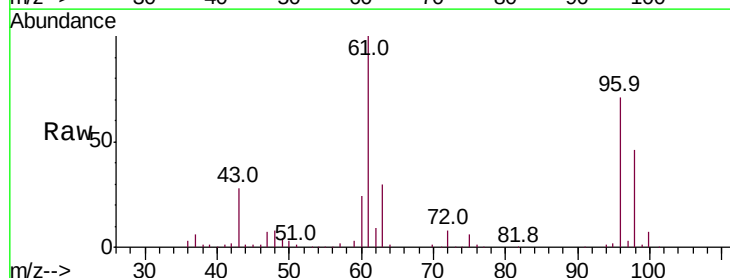
Acq: 11 Jan 2021 11:08

Tgt Ion: 43 Resp: 42837

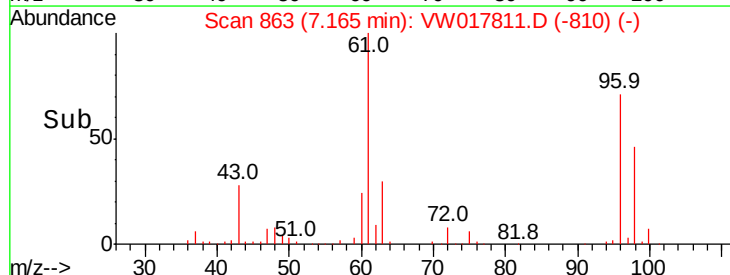
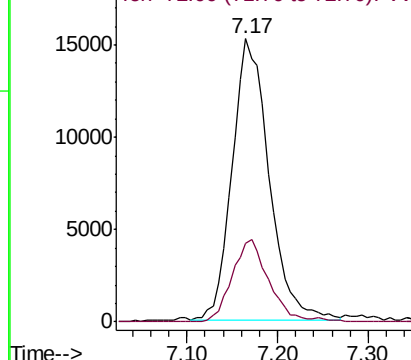
Ion Ratio Lower Upper

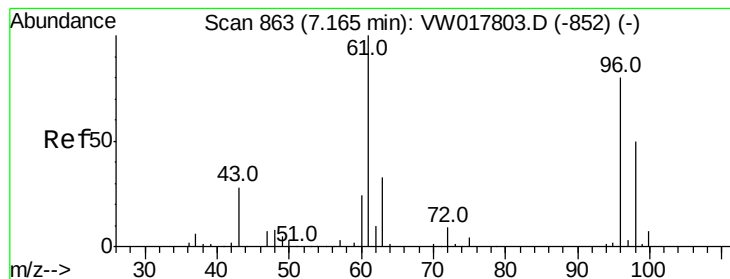
43 100

72 28.8 15.4 46.2



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



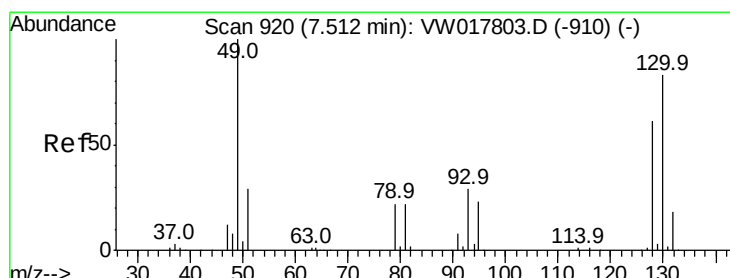
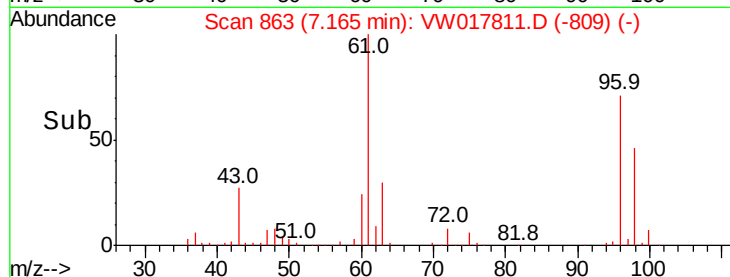
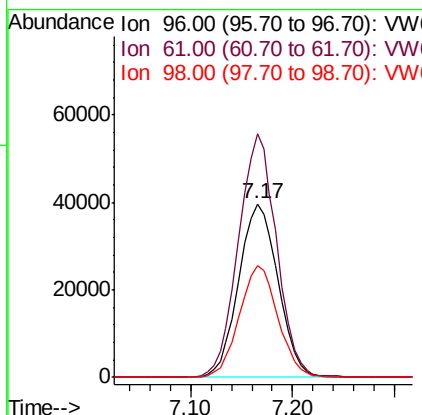
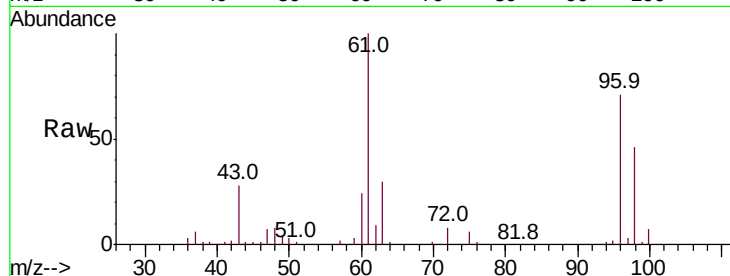


#22

cis-1,2-Dichloroethene
 Concen: 25.988 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

Instrument :
 MSVOA_W
 ClientSampleId :

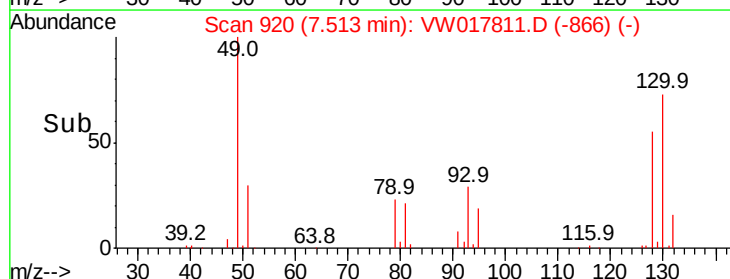
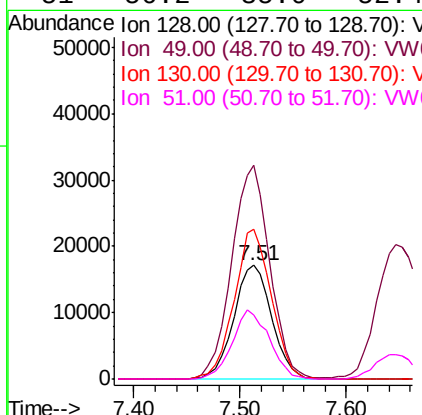
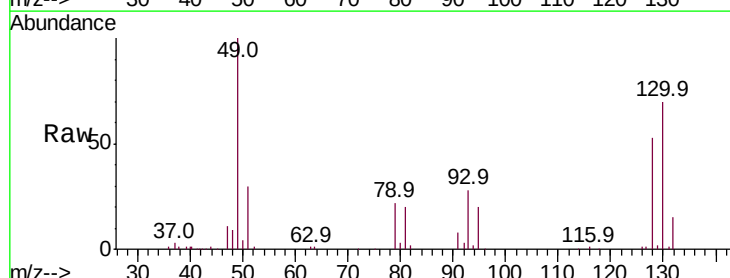
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.1	88.2	163.8
98	64.3	43.7	81.1

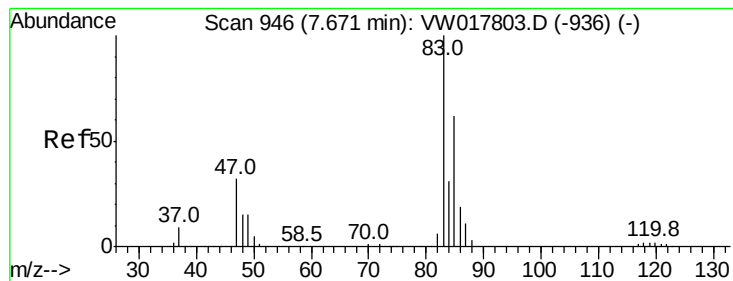


#23

Bromochloromethane
 Concen: 24.785 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

Tgt Ion	Ratio	Lower	Upper
128	100		
49	188.0	98.3	182.5#
130	132.1	84.4	156.7
51	56.2	35.0	52.4#





#25

Chloroform

Concen: 27.419 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

Instrument :

MSVOA_W

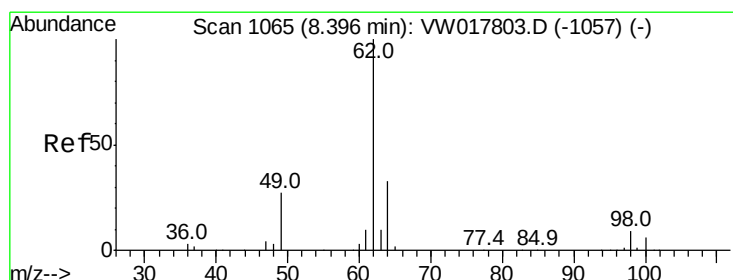
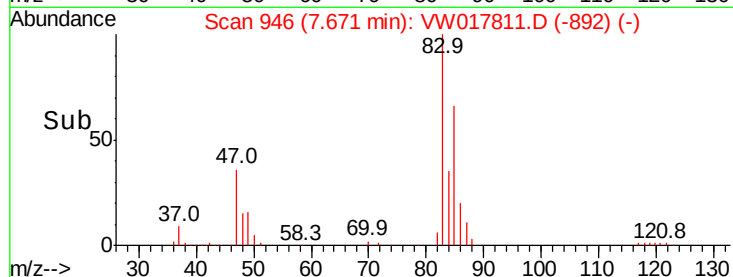
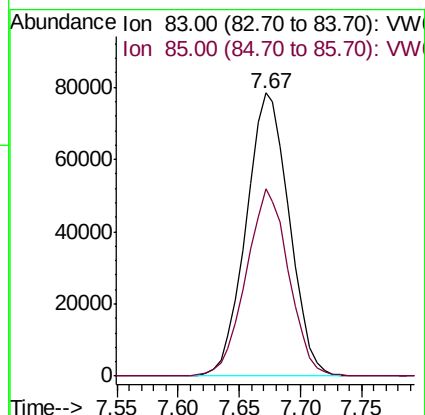
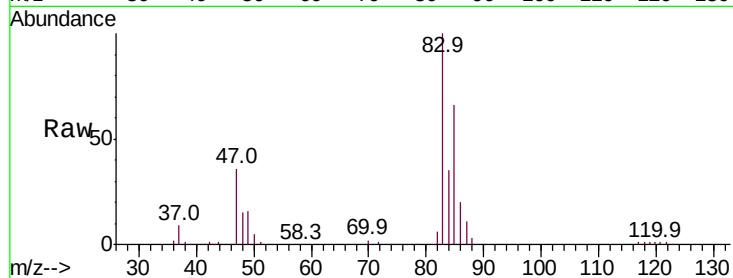
ClientSampled :

Tot Ion: 83 Resp: 192181

Ion Ratio Lower Upper

83 100

85 65.8 45.7 84.9



#27

1,2-Dichloroethane

Concen: 28.155 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW017811.D

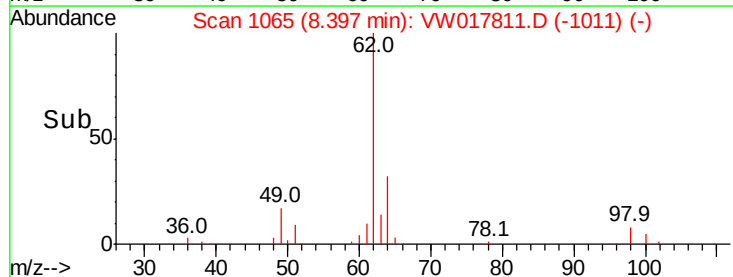
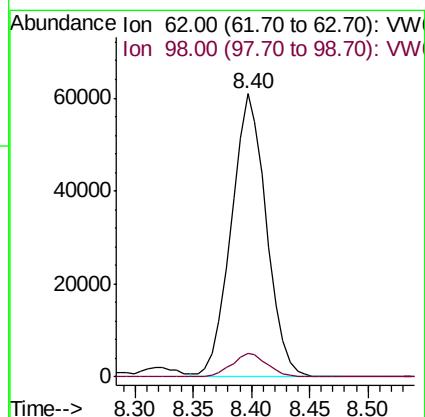
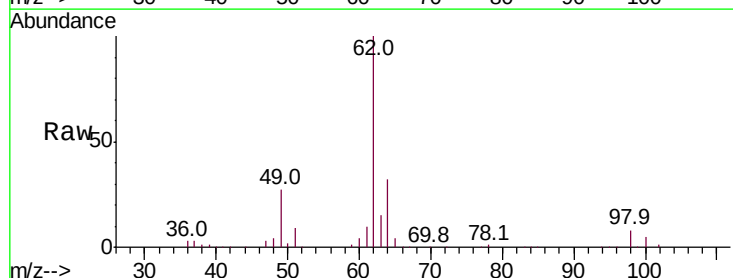
Acq: 11 Jan 2021 11:08

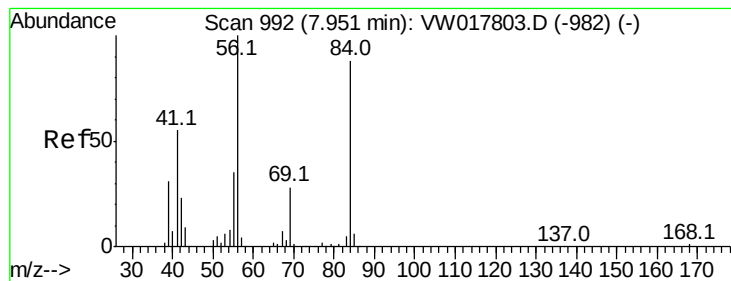
Tgt Ion: 62 Resp: 127649

Ion Ratio Lower Upper

62 100

98 8.1 6.3 9.5





#30

Cyclohexane

Concen: 27.042 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

Instrument :
MSVOA_W
ClientSampled :

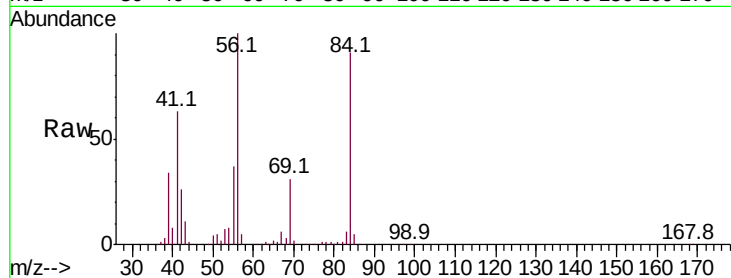
Tot Ion: 56 Resp: 173035

Ion Ratio Lower Upper

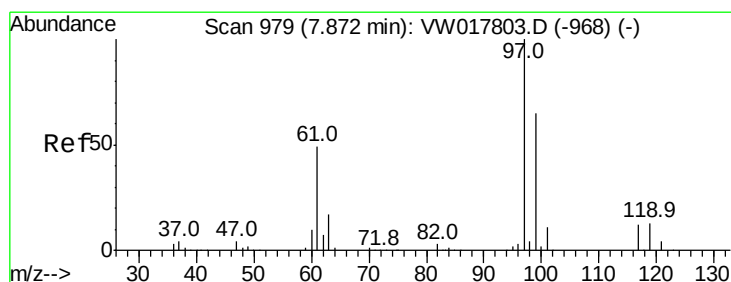
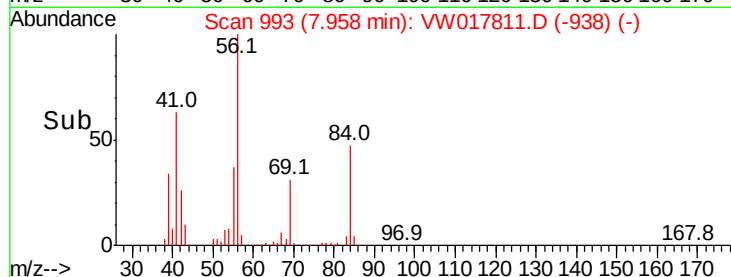
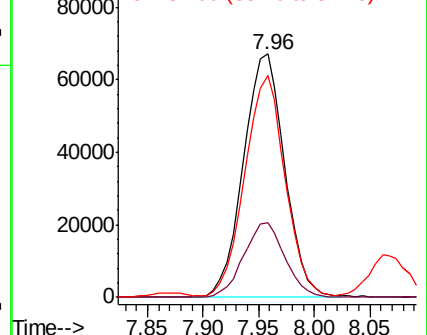
56 100

69 30.6 25.0 37.4

84 89.4 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: 26.352 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

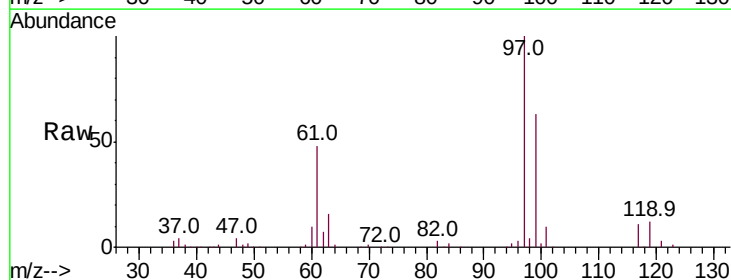
Tgt Ion: 97 Resp: 162952

Ion Ratio Lower Upper

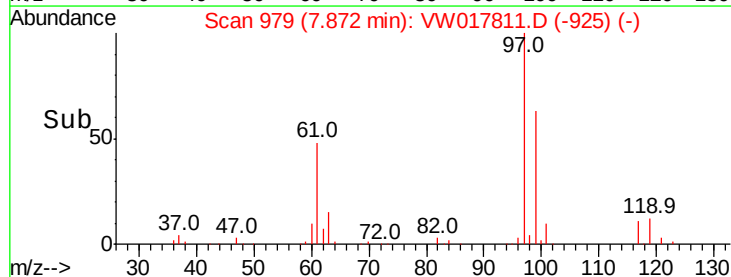
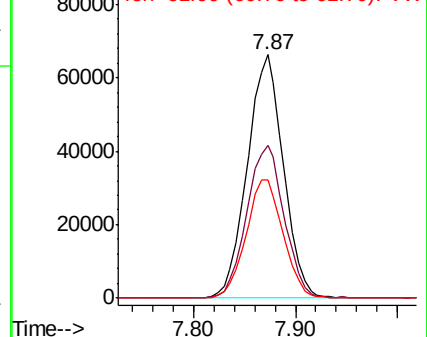
97 100

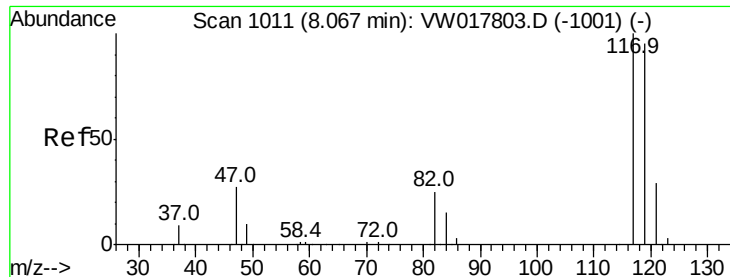
99 64.8 51.1 76.7

61 49.9 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: 26.867 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

Instrument :

MSVOA_W

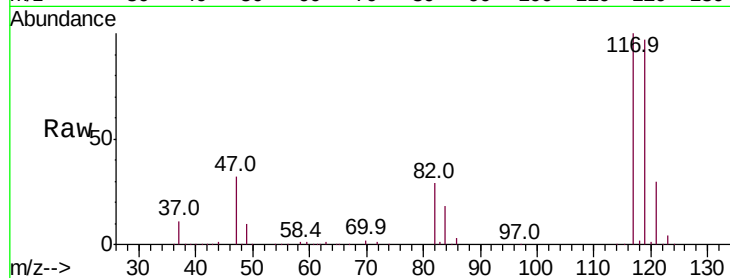
ClientSampleId :

Tot Ion:117 Resp: 156743

Ion Ratio Lower Upper

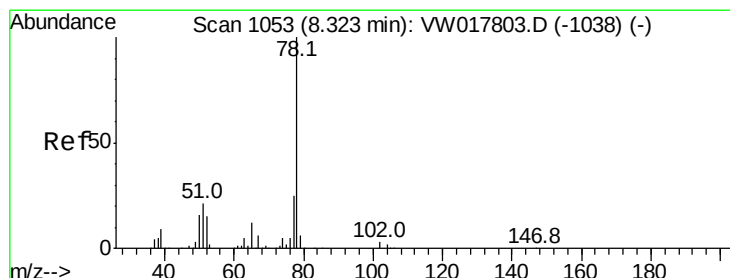
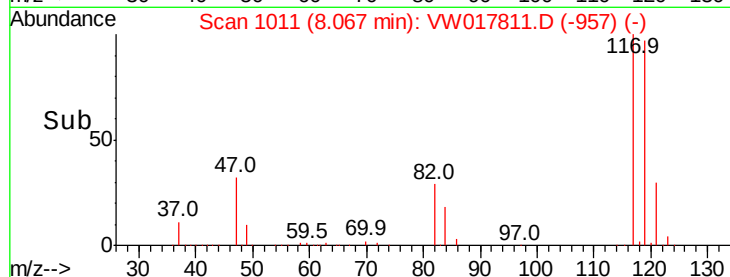
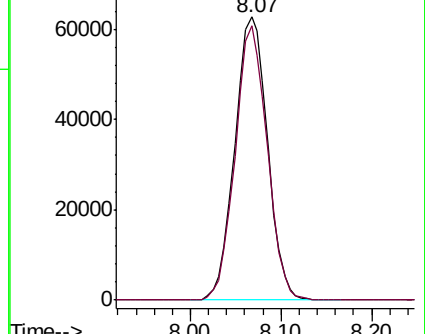
117 100

119 94.7 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: 27.900 ug/L

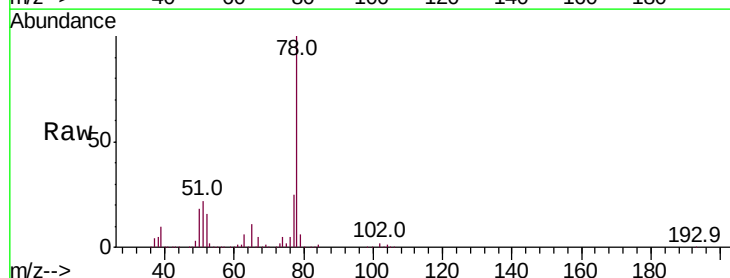
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

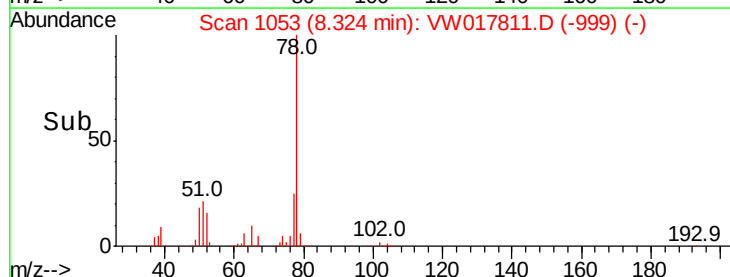
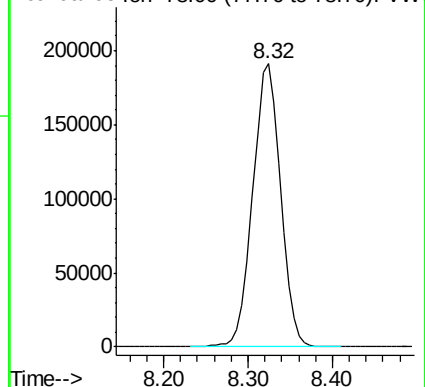
Lab File: VW017811.D

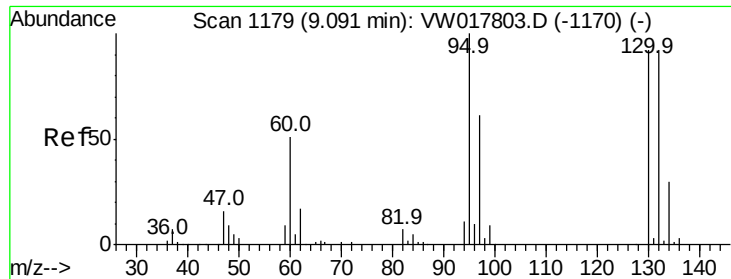
Acq: 11 Jan 2021 11:08

Tgt Ion: 78 Resp: 428843



Abundance Ion 78.00 (77.70 to 78.70): VW

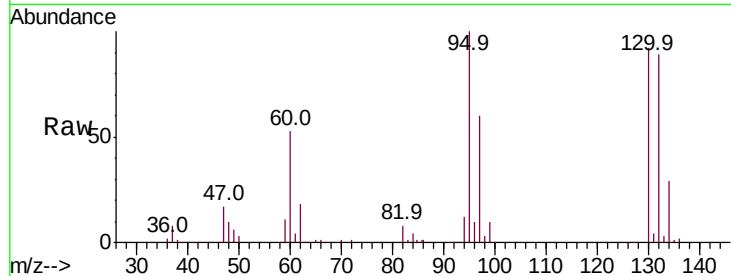




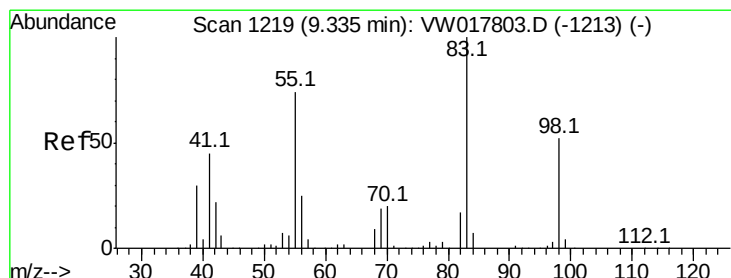
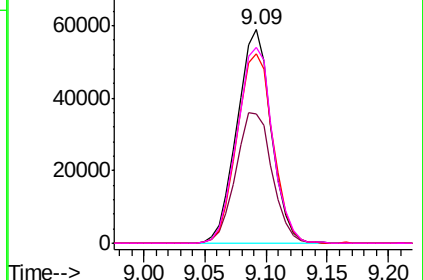
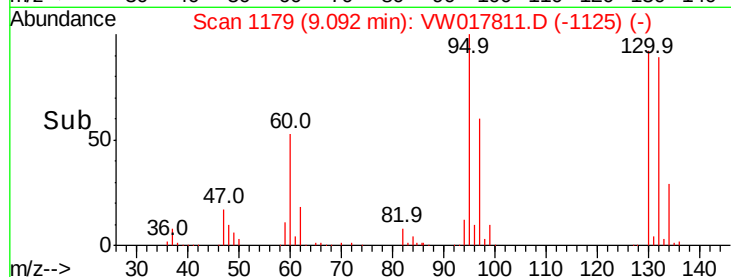
#35
 Trichloroethene
 Concen: 26.841 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	95	Resp:	114199
Ion	Ratio	Lower	Upper
95	100		
97	64.9	46.8	87.0
132	93.0	68.3	126.9
130	95.5	71.8	133.4

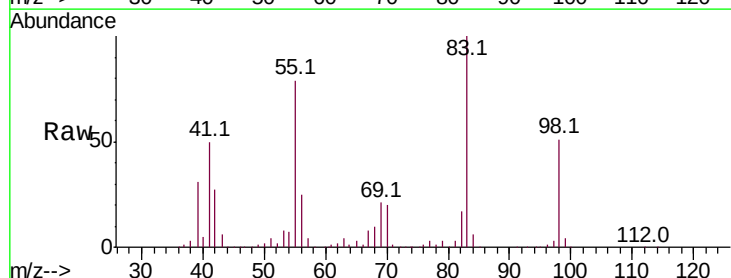


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

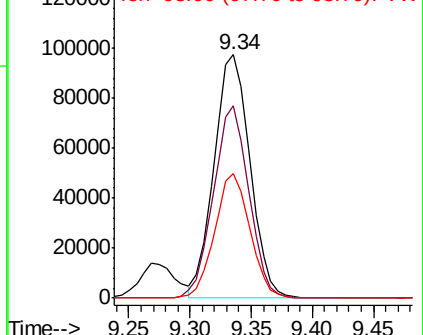
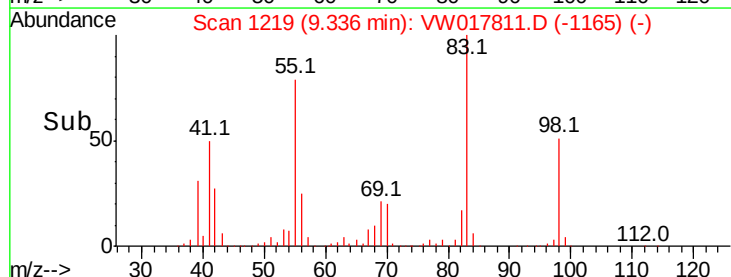


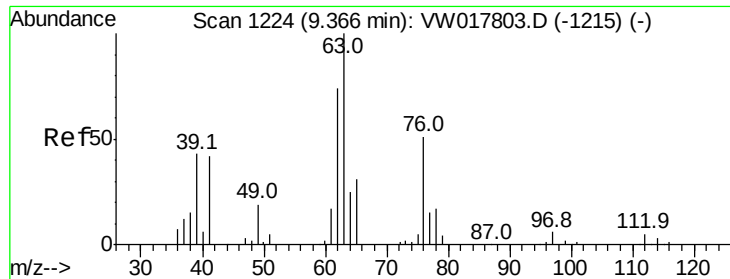
#36
 Methylcyclohexane
 Concen: 26.842 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

Tgt Ion:	83	Resp:	199638
Ion	Ratio	Lower	Upper
83	100		
55	77.8	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

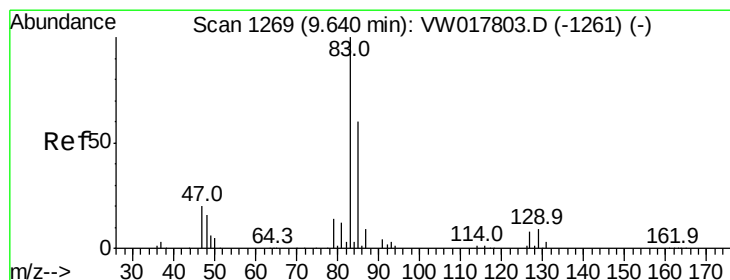
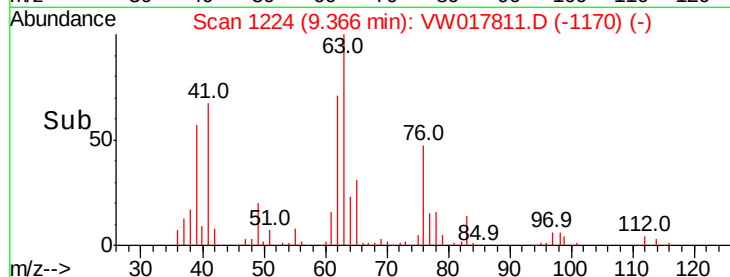
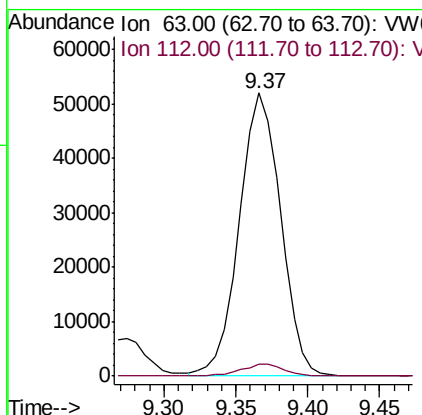
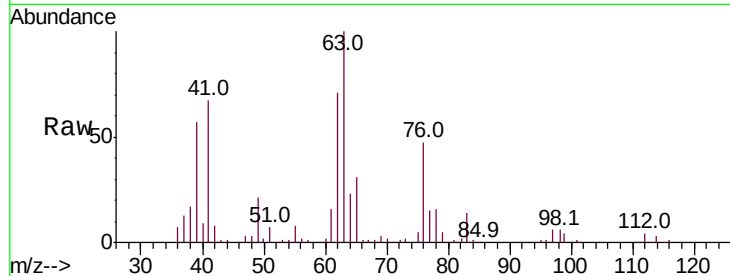




#40
 1,2-Dichloropropane
 Concen: 28.606 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

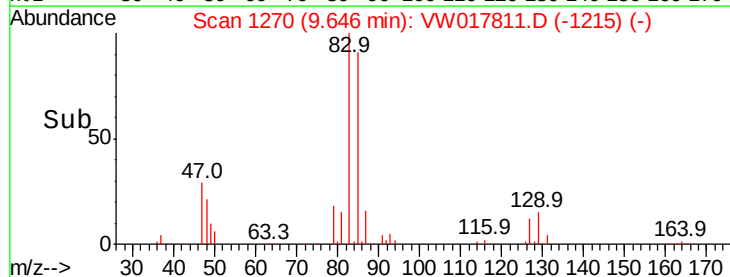
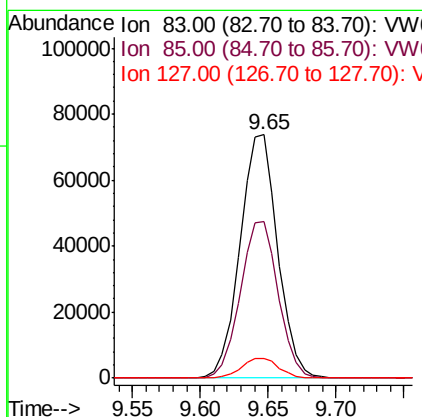
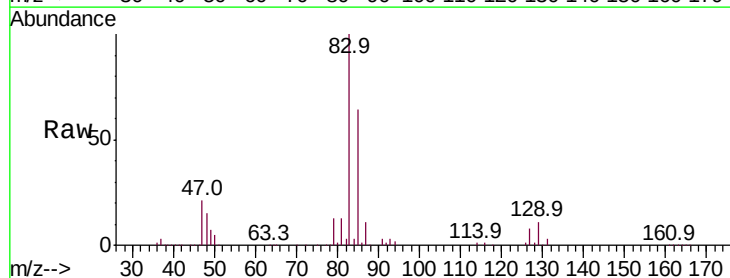
Instrument :
 MSVOA_W
 ClientSampled :

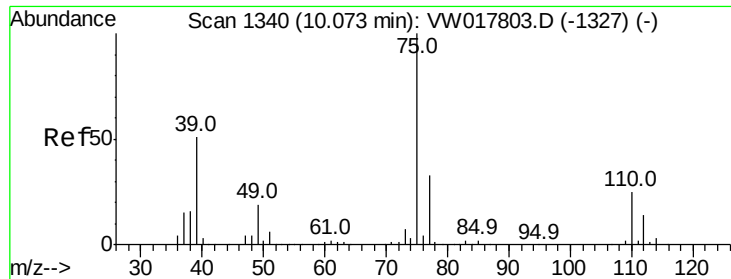
Tot Ion: 63 Resp: 103800
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#41
 Bromodichloromethane
 Concen: 28.672 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

Tgt Ion: 83 Resp: 142414
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.5 82.7
 127 8.2 6.9 10.3





#42

cis-1,3-Dichloropropene

Concen: 28.123 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

Instrument :

MSVOA_W

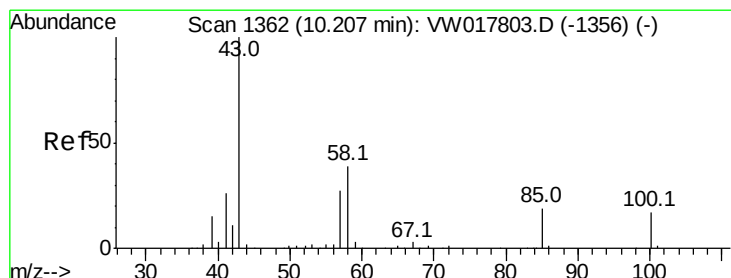
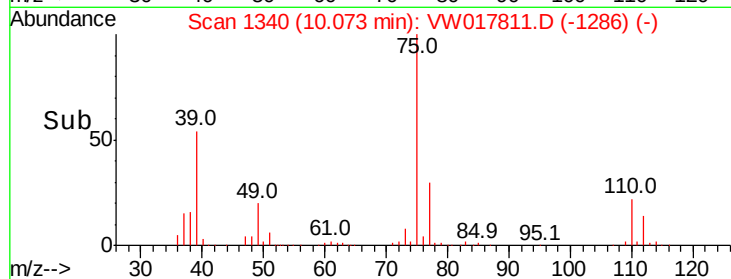
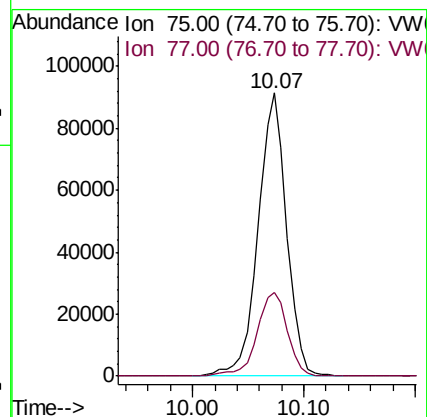
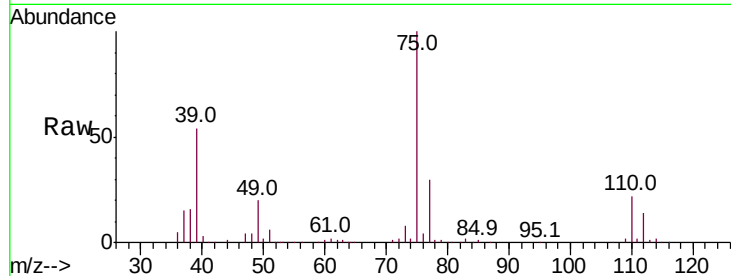
ClientSampled :

Tot Ion: 75 Resp: 162844

Ion Ratio Lower Upper

75 100

77 29.7 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 55.197 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

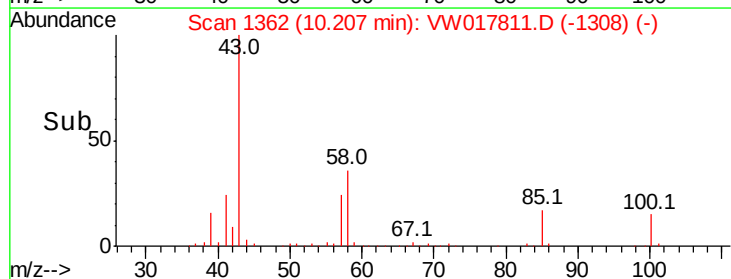
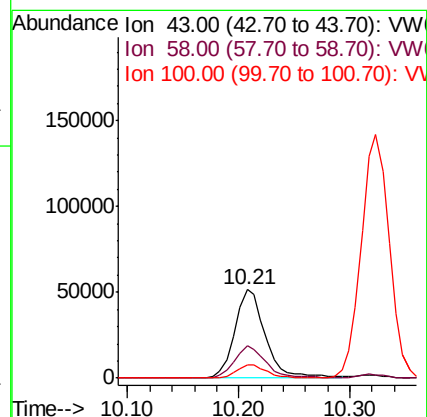
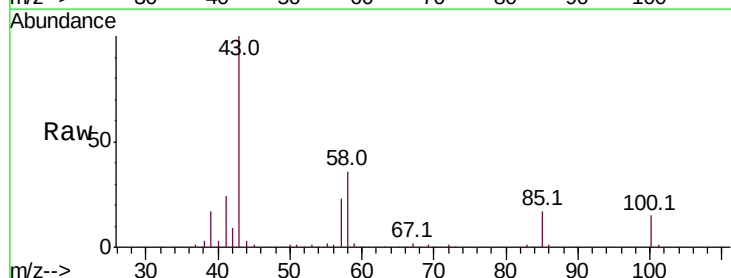
Tgt Ion: 43 Resp: 97307

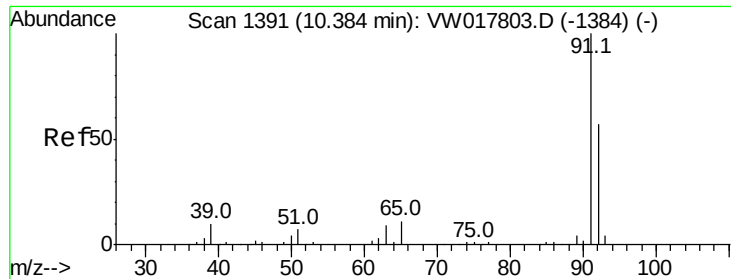
Ion Ratio Lower Upper

43 100

58 37.3 31.0 46.4

100 15.2 13.5 20.3





#44

Toluene

Concen: 27.480 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

Instrument :

MSVOA_W

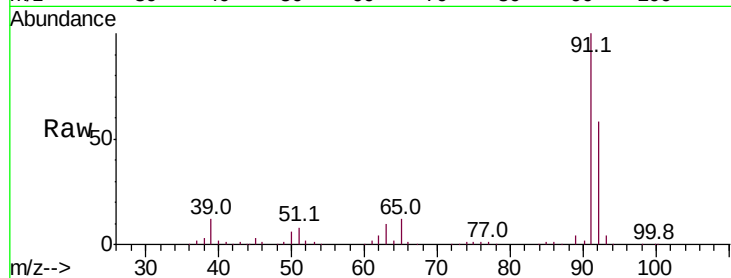
ClientSampled :

Tot Ion: 91 Resp: 481647

Ion Ratio Lower Upper

91 100

92 58.2 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

250000

200000

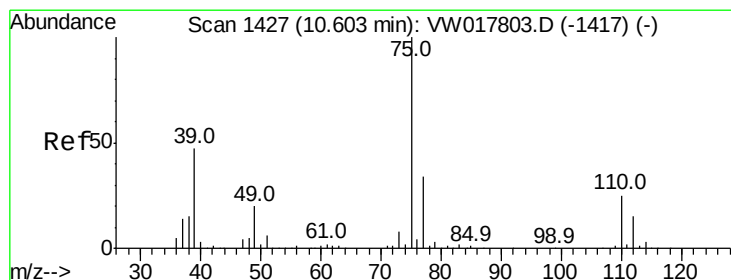
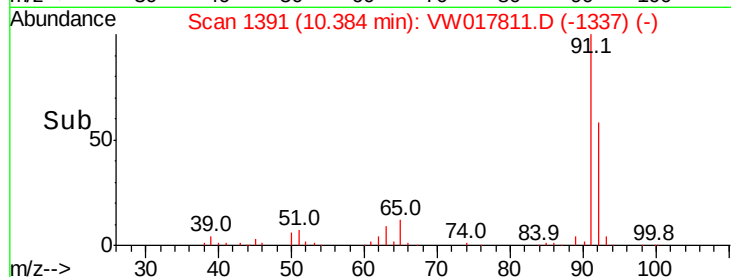
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 28.124 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017811.D

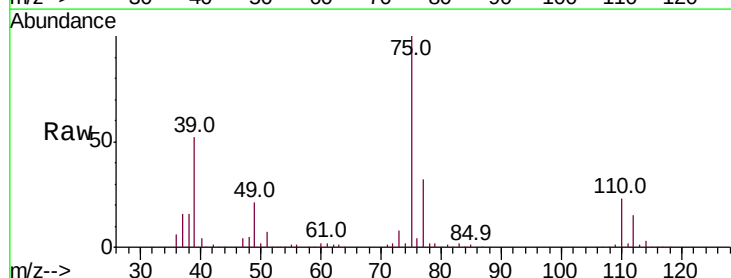
Acq: 11 Jan 2021 11:08

Tgt Ion: 75 Resp: 138675

Ion Ratio Lower Upper

75 100

77 32.2 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

80000

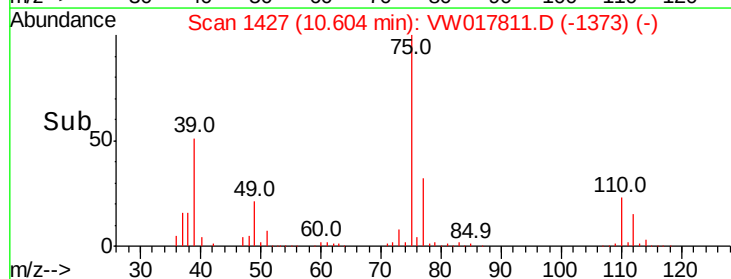
60000

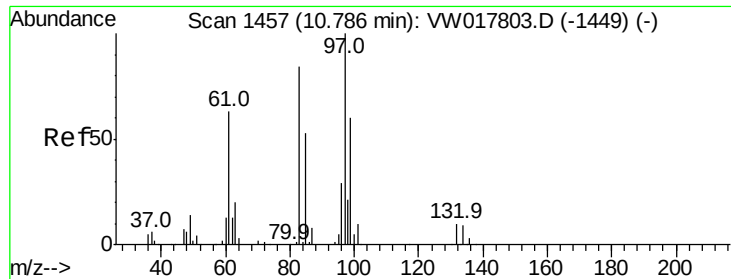
40000

20000

0

Time-->

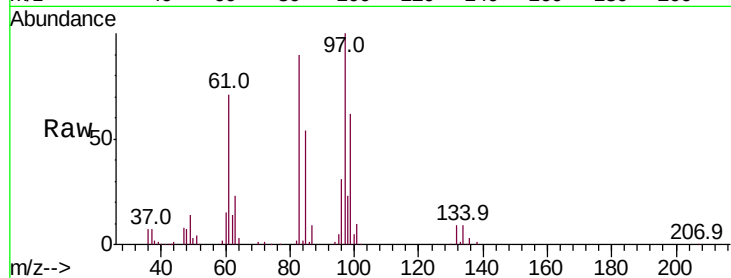




#46
 1,1,2-Trichloroethane
 Concen: 25.719 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Resp	Lower	Upper
97	100		
83	89.7	58.9	109.5
85	54.1	37.1	68.9
99	62.3	42.7	79.3



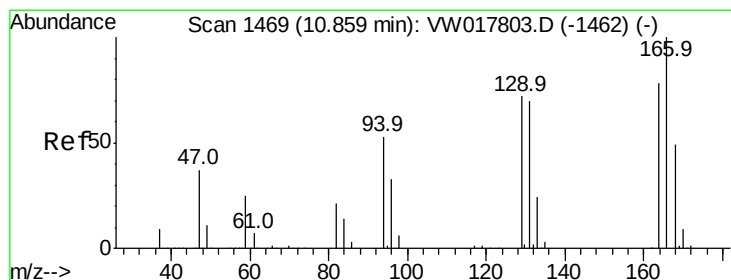
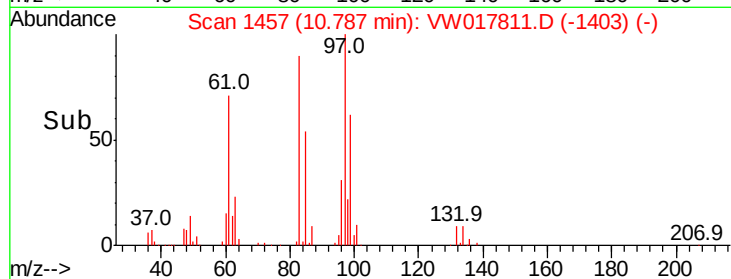
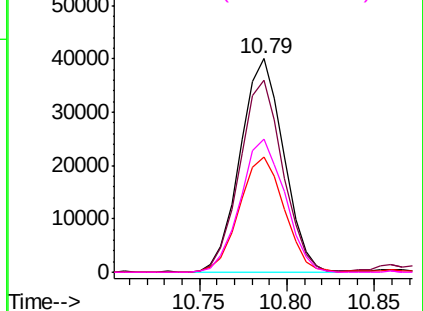
Abundance

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: 26.404 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

Tgt Ion	Resp	Lower	Upper
164	100		
129	97.7	62.9	116.9
131	98.2	63.8	118.6
166	123.5	87.4	162.2

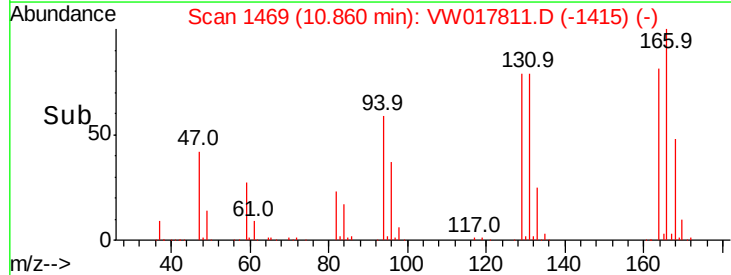
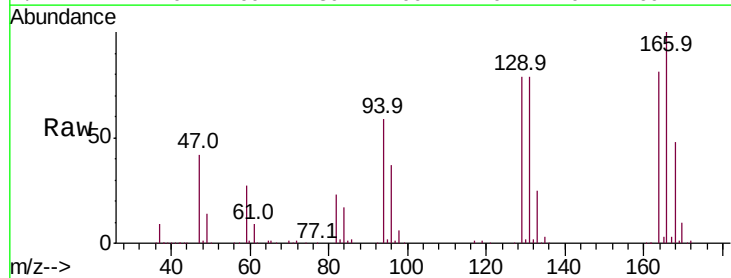
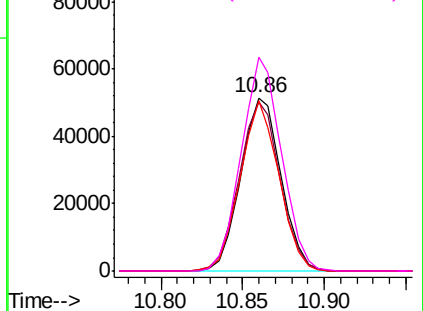
Abundance

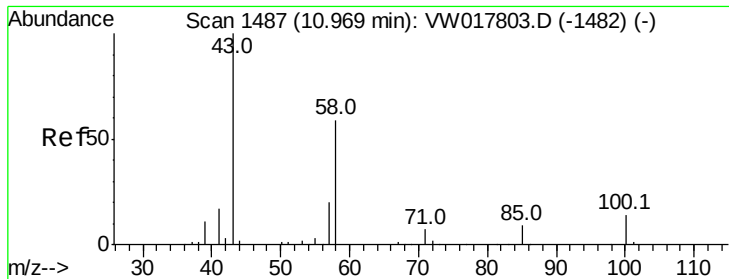
Ion 164.00 (163.70 to 164.70): V

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: 53.403 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 66794

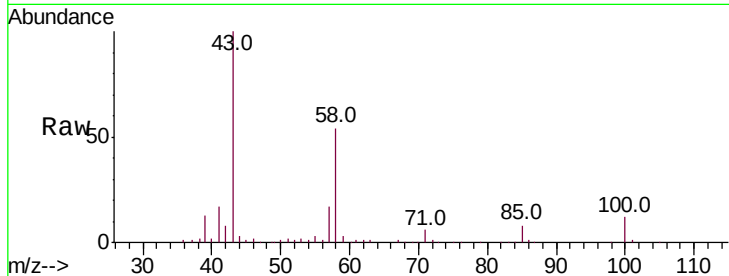
Ion Ratio Lower Upper

43 100

58 51.2 44.2 66.4

57 16.6 16.1 24.1

100 11.9 11.0 16.4



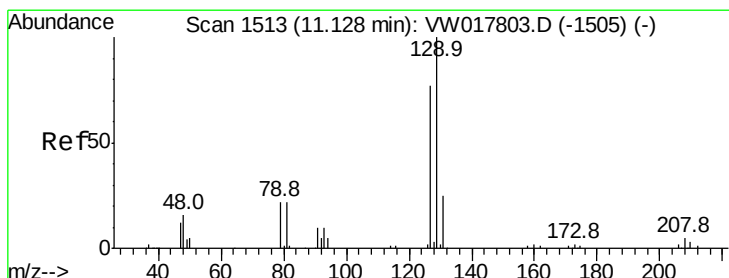
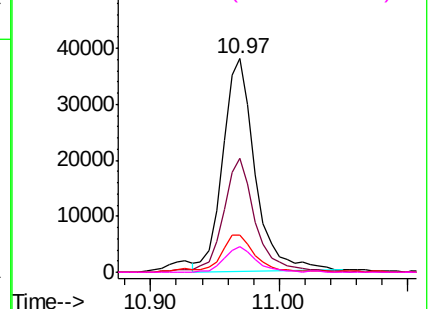
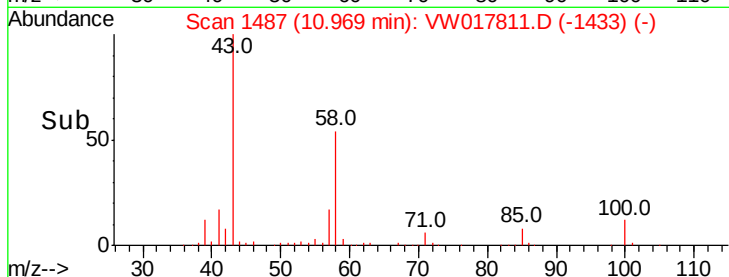
Abundance

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: 27.567 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017811.D

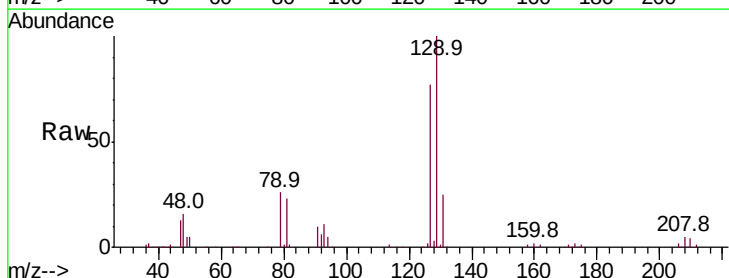
Acq: 11 Jan 2021 11:08

Tgt Ion: 129 Resp: 88273

Ion Ratio Lower Upper

129 100

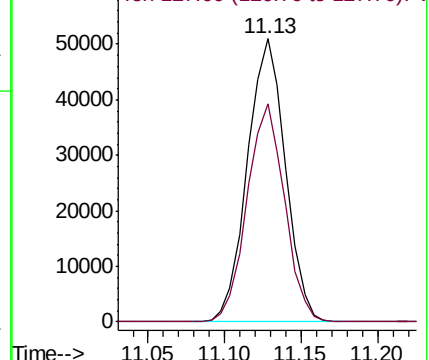
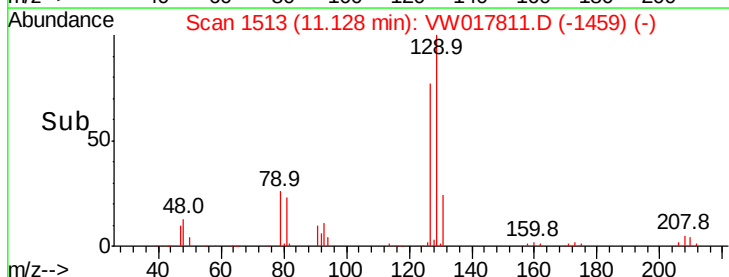
127 77.1 56.1 104.3

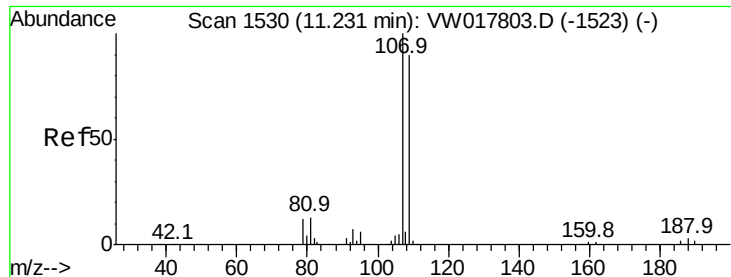


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

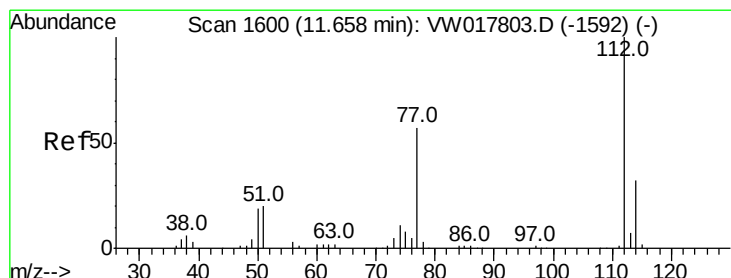
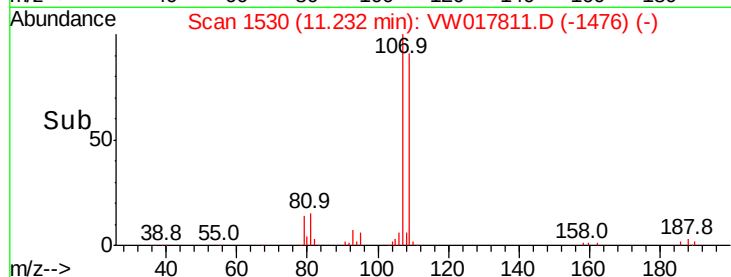
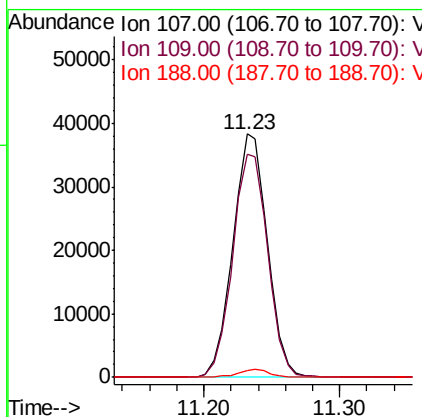
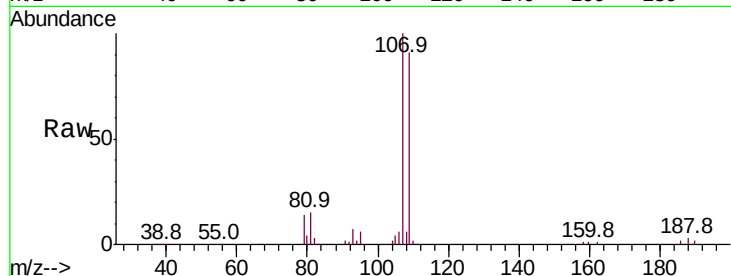




#51
 1,2-Dibromoethane
 Concen: 26.494 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

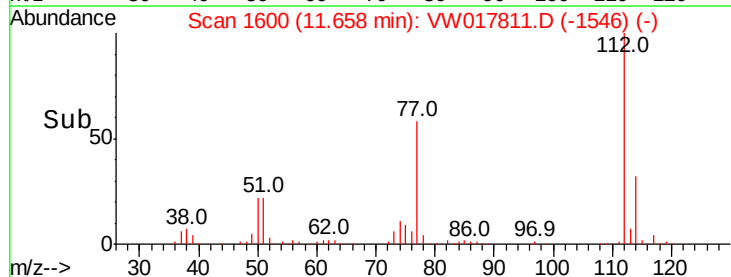
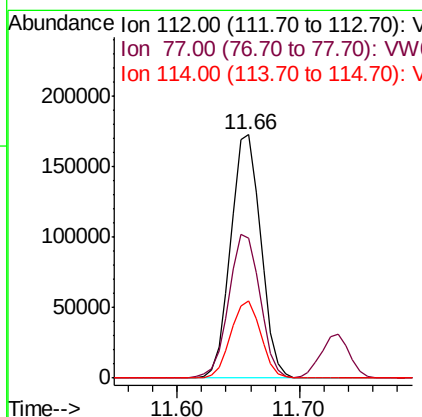
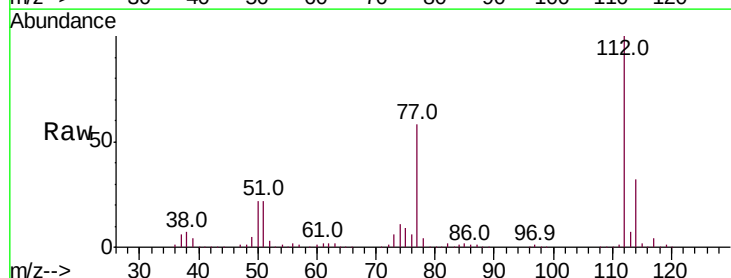
Instrument :
 MSVOA_W
 ClientSampled :

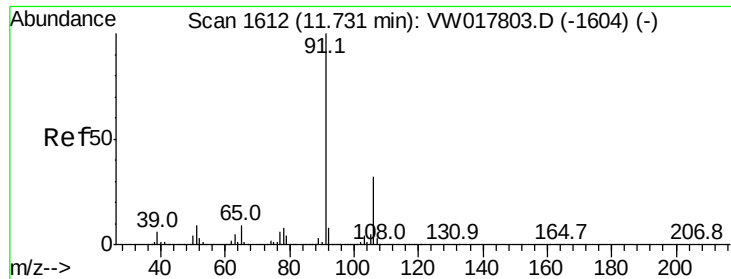
Tot Ion:107 Resp: 67652
 Ion Ratio Lower Upper
 107 100
 109 91.4 68.5 127.1
 188 2.9 2.7 4.1



#52
 Chlorobenzene
 Concen: 26.872 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

Tgt Ion:112 Resp: 294024
 Ion Ratio Lower Upper
 112 100
 77 57.5 43.4 65.2
 114 31.9 21.6 40.2





#53

Ethylbenzene

Concen: 27.601 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

Instrument :

MSVOA_W

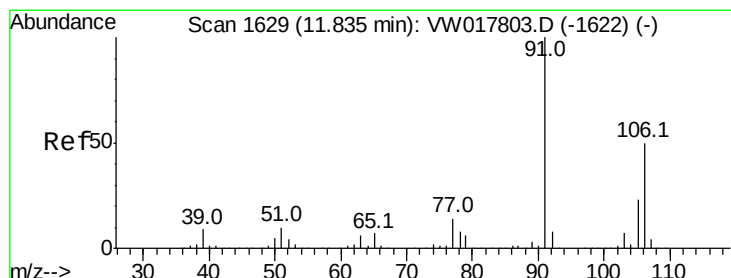
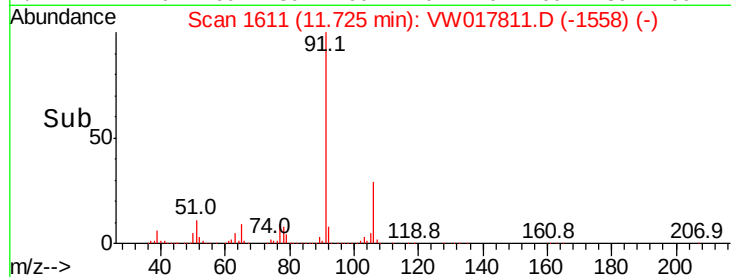
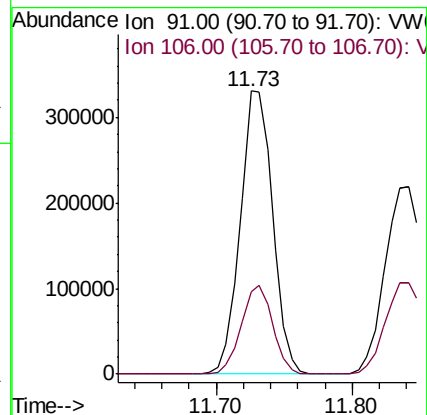
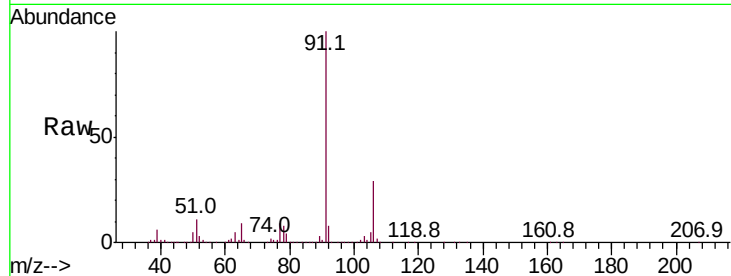
ClientSampled :

Tot Ion: 91 Resp: 548907

Ion Ratio Lower Upper

91 100

106 29.3 22.0 41.0



#54

m,p-Xylene

Concen: 26.972 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW017811.D

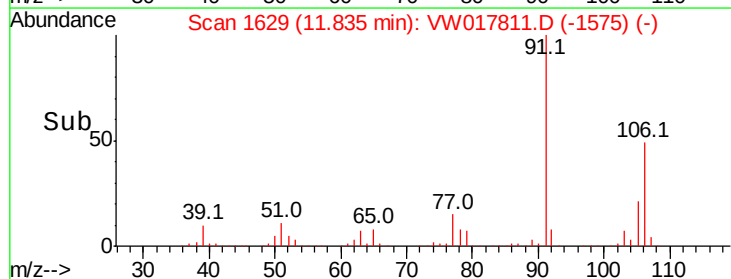
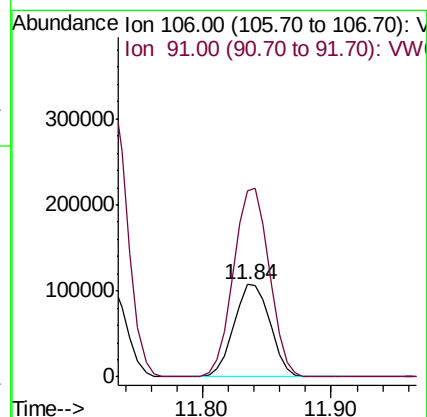
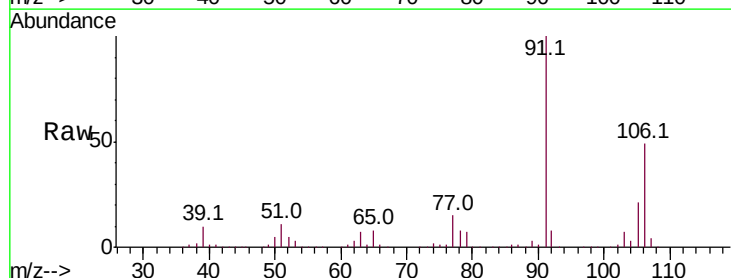
Acq: 11 Jan 2021 11:08

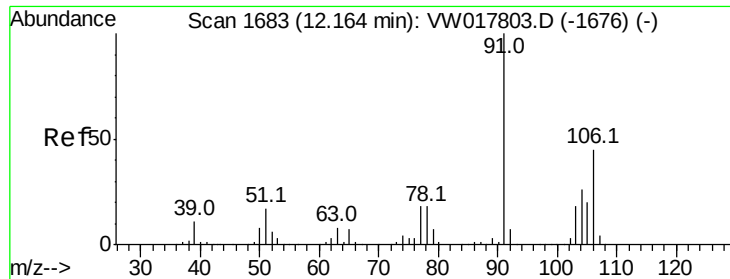
Tgt Ion: 106 Resp: 209827

Ion Ratio Lower Upper

106 100

91 202.7 141.6 263.0

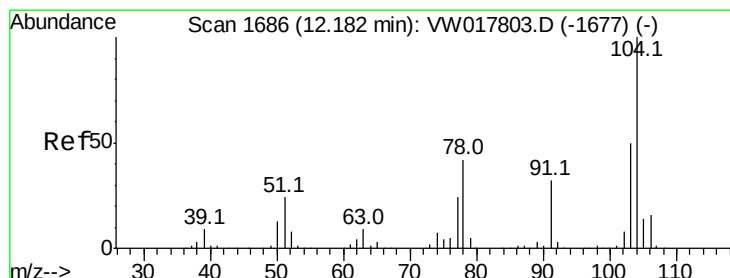
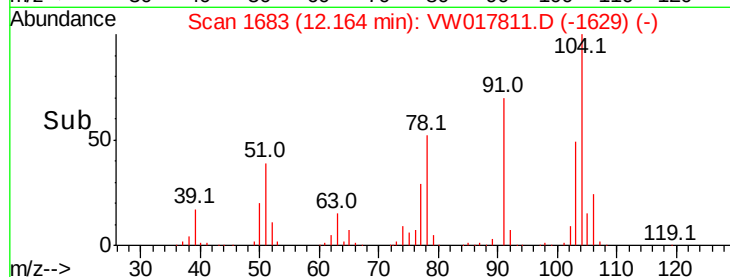
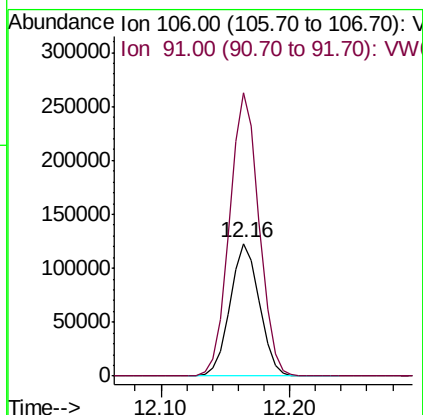
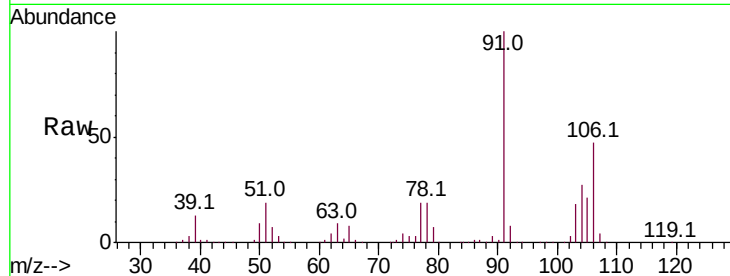




#55
o-xylene
Concen: 26.635 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017811.D
Acq: 11 Jan 2021 11:08

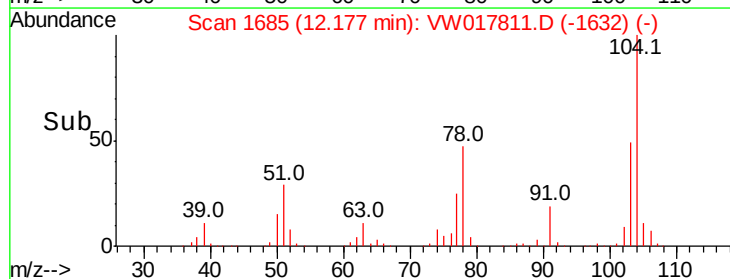
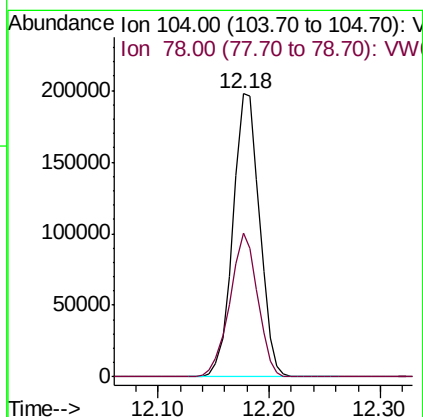
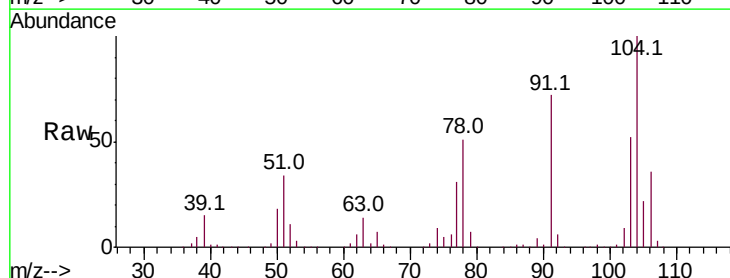
Instrument :
MSVOA_W
ClientSampled :

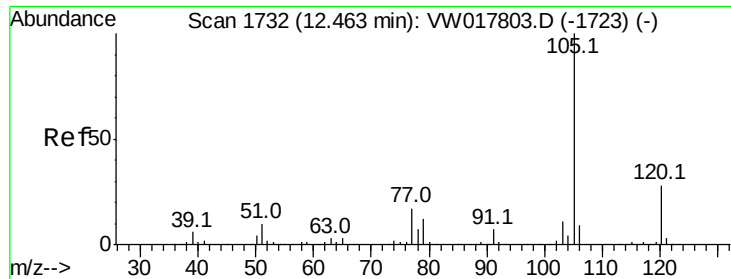
Tot Ion:106 Resp: 194870
Ion Ratio Lower Upper
106 100
91 213.9 145.7 270.7



#56
Styrene
Concen: 26.875 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW017811.D
Acq: 11 Jan 2021 11:08

Tgt Ion:104 Resp: 327064
Ion Ratio Lower Upper
104 100
78 50.7 31.6 58.8





#57

Isopropylbenzene

Concen: 26.713 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

Instrument :

MSVOA_W

ClientSampleId :

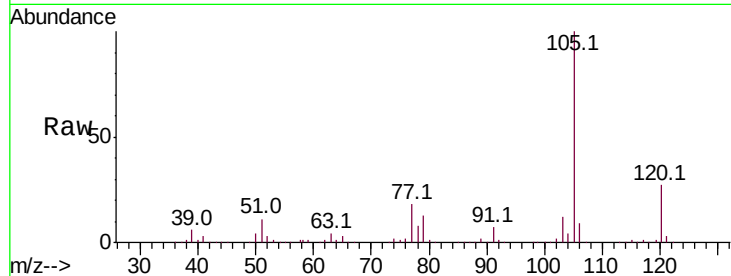
Tot Ion:105 Resp: 541074

Ion Ratio Lower Upper

105 100

120 26.1 21.4 32.2

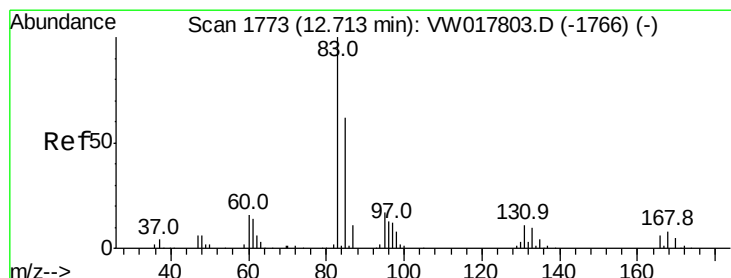
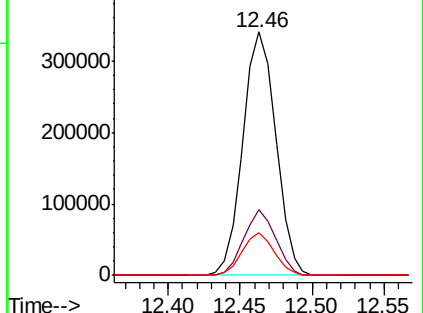
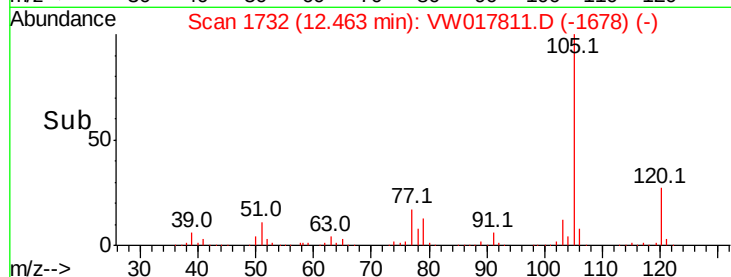
77 17.0 12.7 19.1



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: 26.239 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

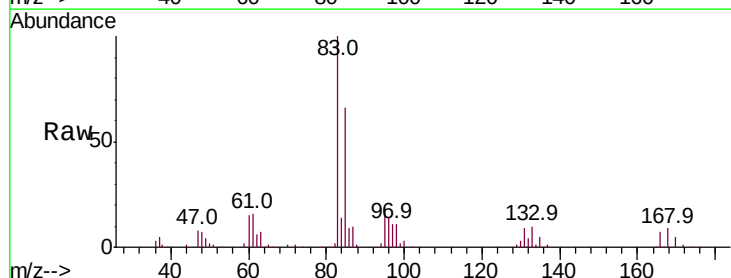
Tgt Ion: 83 Resp: 78990

Ion Ratio Lower Upper

83 100

85 65.6 45.6 84.8

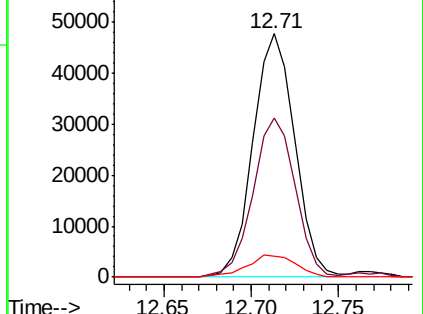
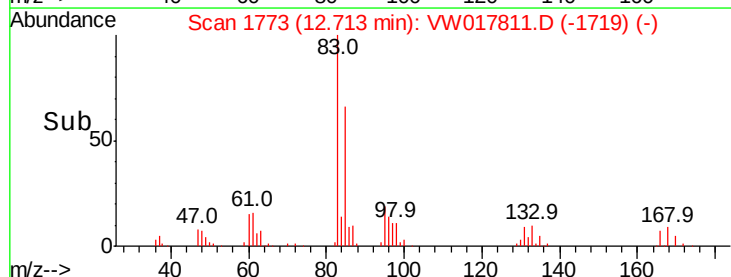
131 8.5 7.8 11.8

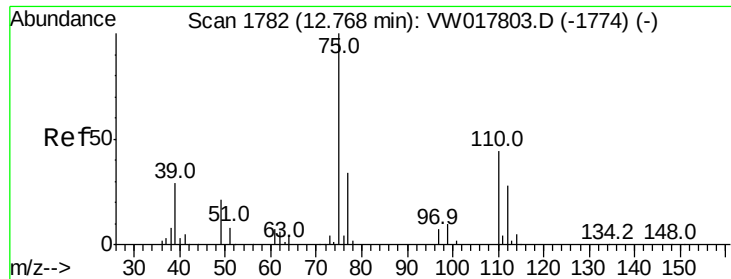


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

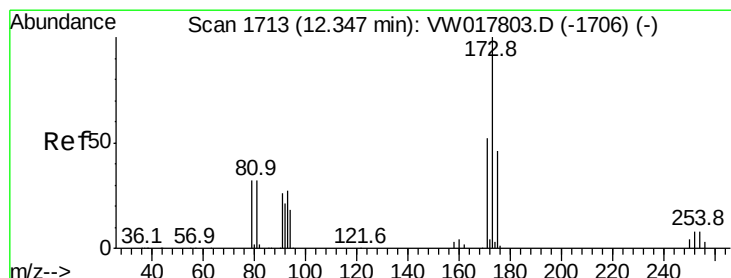
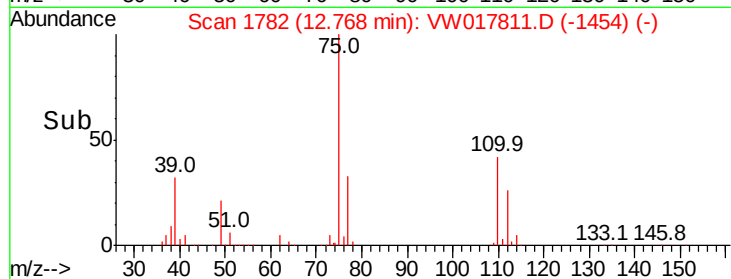
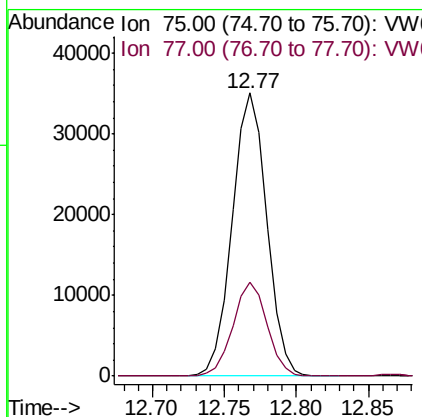
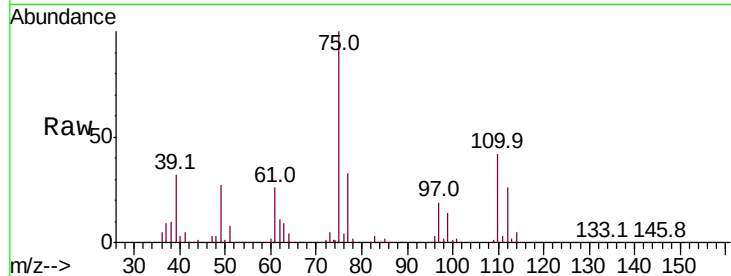




#59
 1,2,3-Trichloropropane
 Concen: 26.464 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

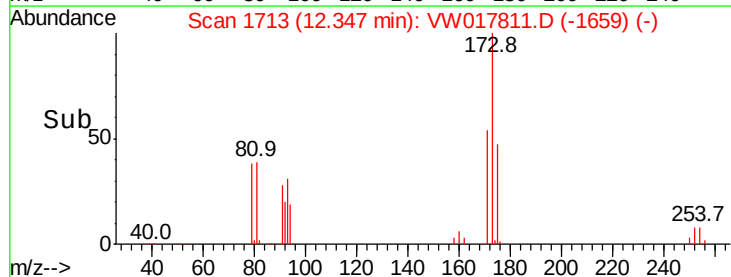
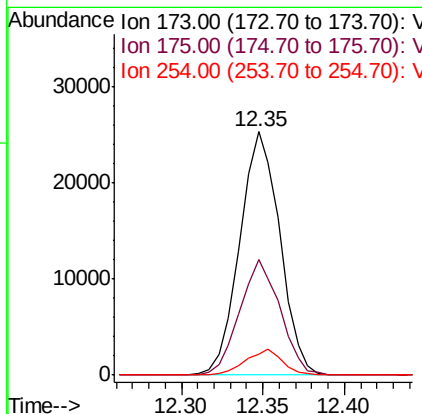
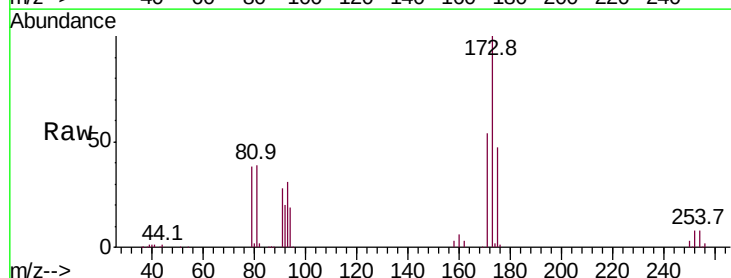
Instrument :
 MSVOA_W
 ClientSampled :

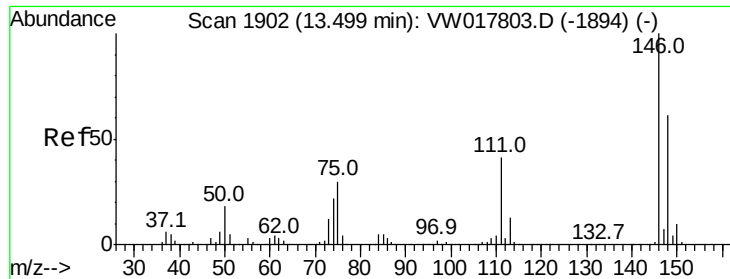
Tot Ion: 75 Resp: 58563
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.0



#62
 Bromoform
 Concen: 25.928 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

Tgt Ion: 173 Resp: 43340
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.1 57.1
 254 9.9 6.7 10.1

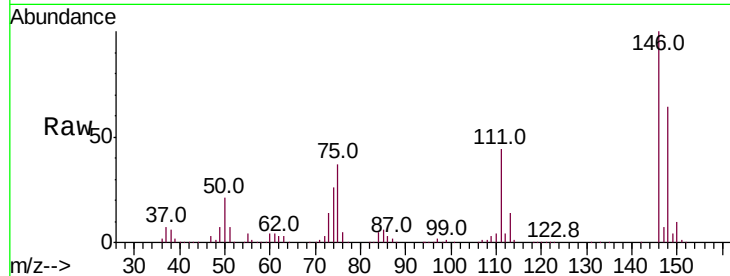




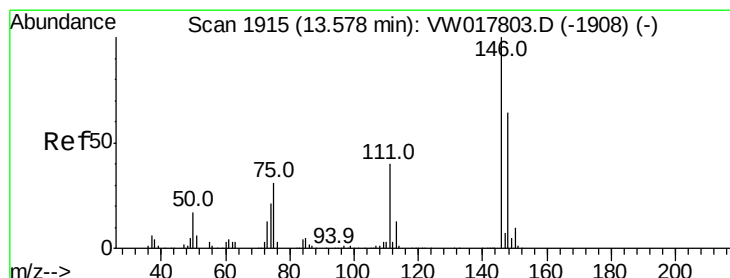
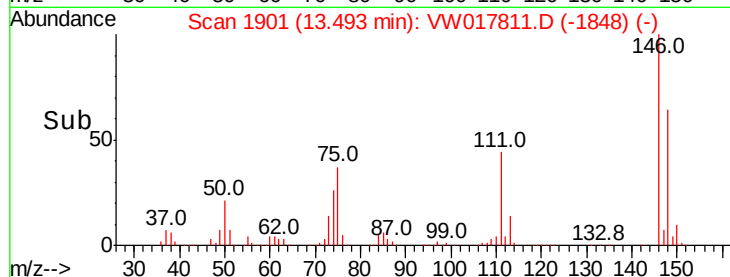
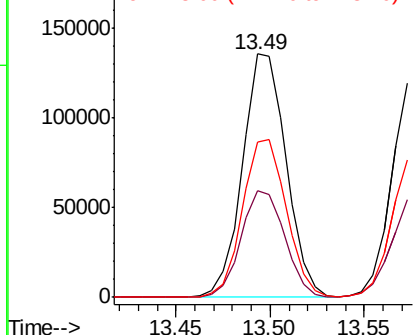
#63
 1,3-Dichlorobenzene
 Concen: 25.919 ug/L
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 218544
 Ion Ratio Lower Upper
 146 100
 111 44.0 29.5 54.7
 148 63.6 47.7 88.5

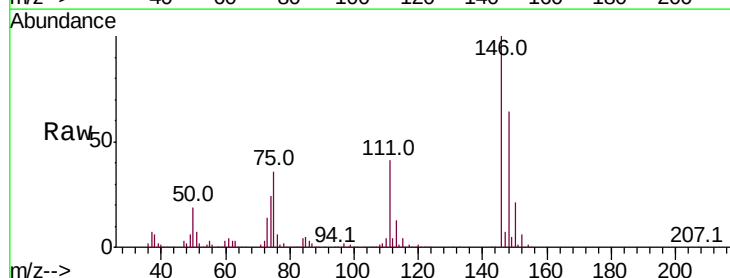


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

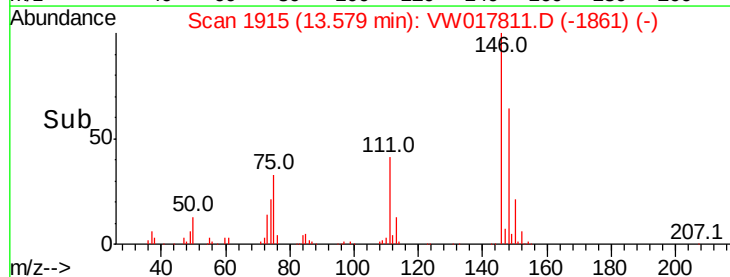
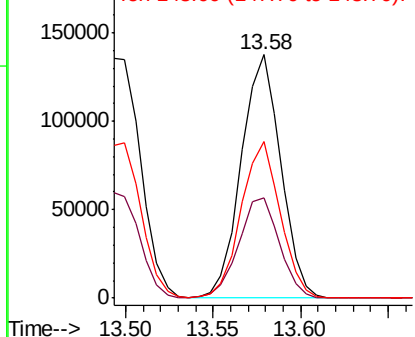


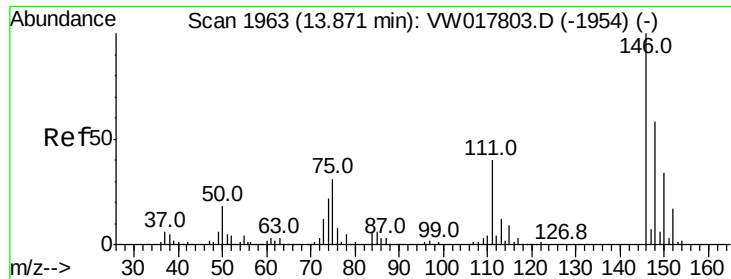
#64
 1,4-Dichlorobenzene
 Concen: 25.473 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

Tgt Ion:146 Resp: 215844
 Ion Ratio Lower Upper
 146 100
 111 41.4 27.7 51.5
 148 64.3 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

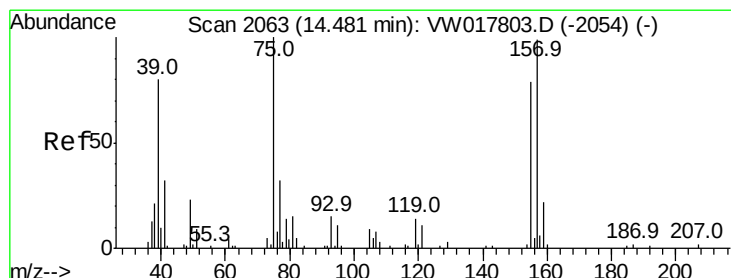
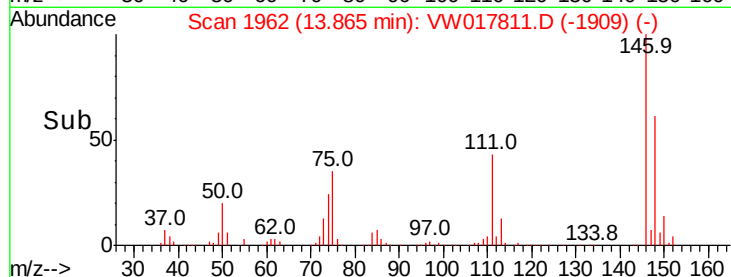
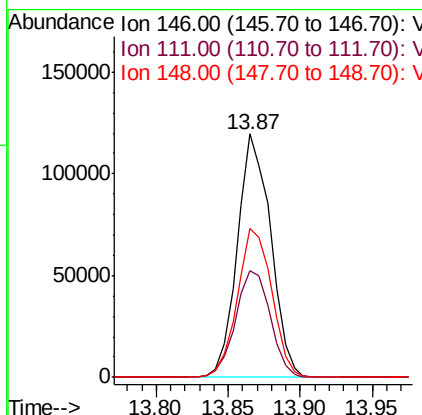
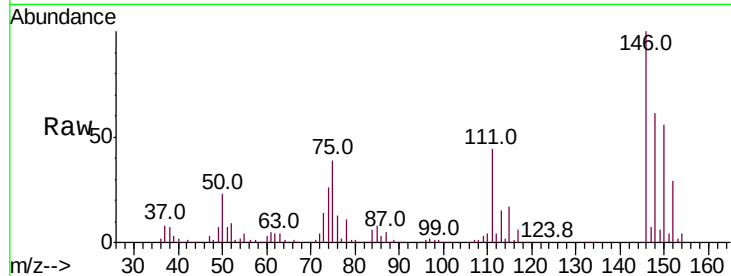




#65
 1,2-Dichlorobenzene
 Concen: 25.914 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

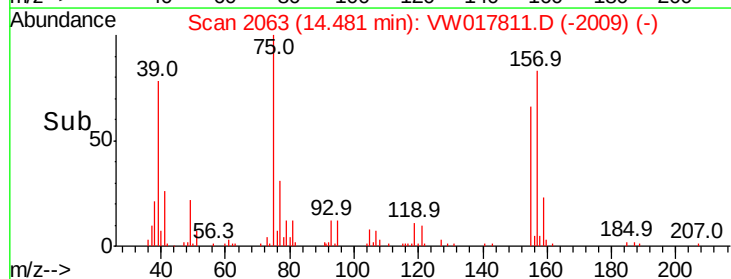
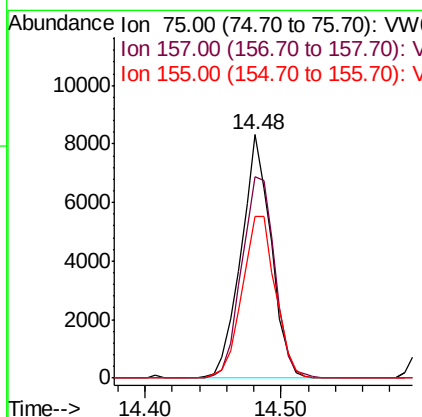
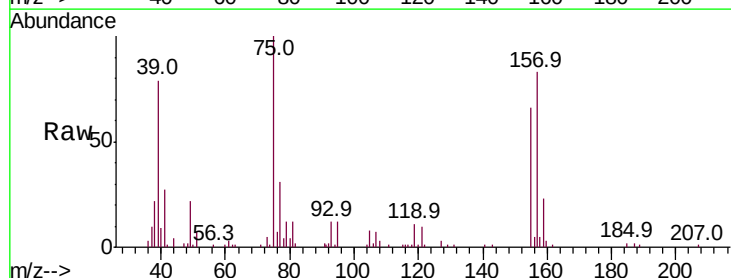
Instrument :
 MSVOA_W
 ClientSampled :

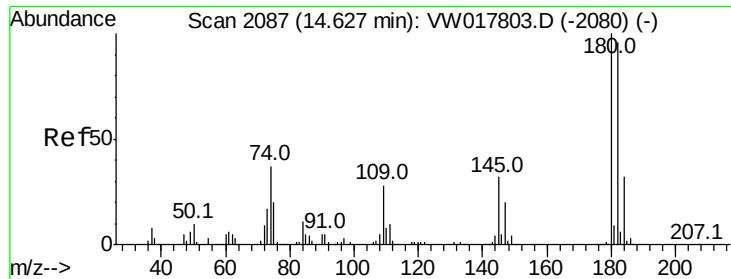
Tot Ion:146 Resp: 191997
 Ion Ratio Lower Upper
 146 100
 111 43.8 34.4 51.6
 148 61.4 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.419 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

Tgt Ion: 75 Resp: 12892
 Ion Ratio Lower Upper
 75 100
 157 82.7 70.2 105.4
 155 66.4 59.8 89.6

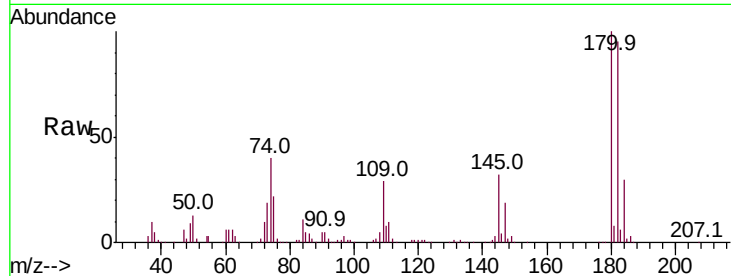




#67
 1,3,5-Trichlorobenzene
 Concen: 26.018 ug/L
 RT: 14.62 min Scan# 2086
 Delta R.T. -0.01 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.2	114.2
184	29.9	23.6	35.4
145	33.2	25.2	37.8



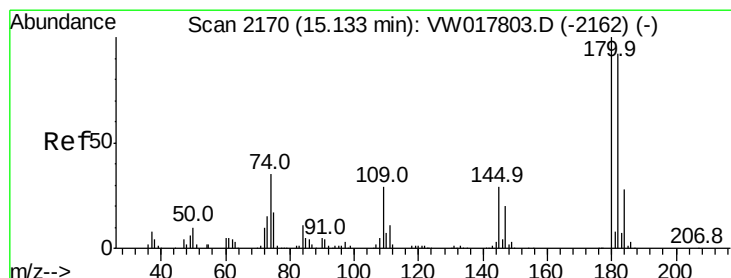
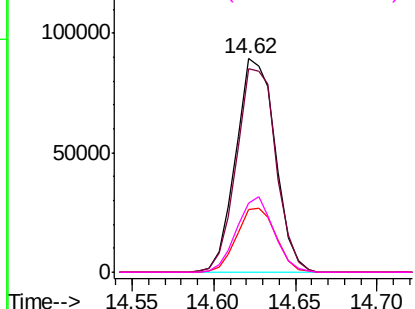
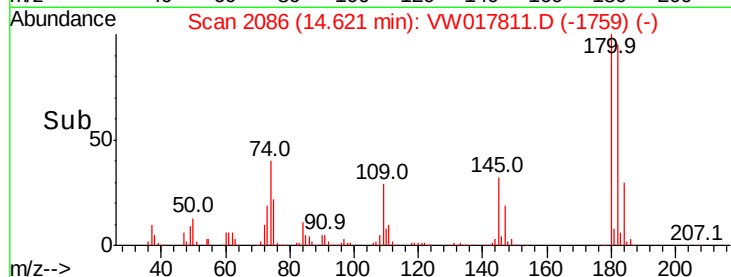
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

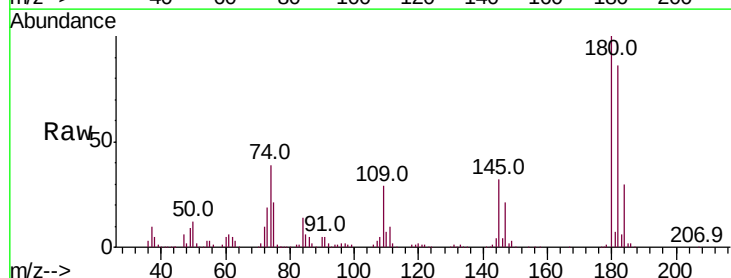
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.965 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW017811.D
 Acq: 11 Jan 2021 11:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	73.0	109.6
145	33.3	25.8	38.6

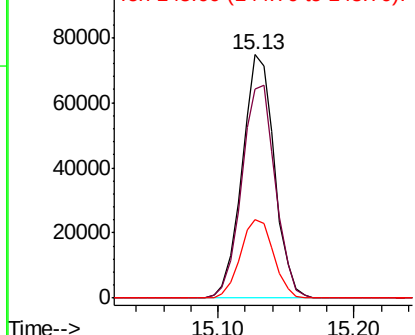
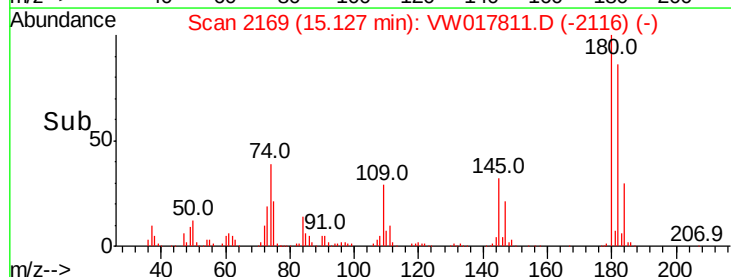


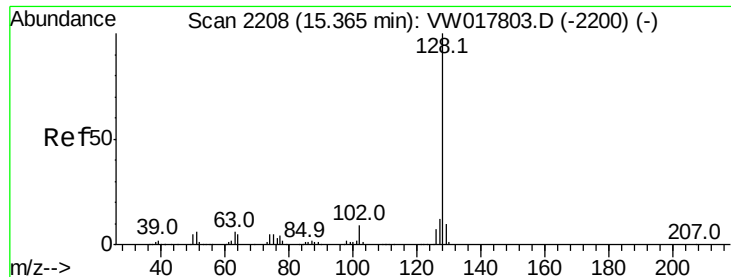
Abundance

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: 23.099 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

Instrument :

MSVOA_W

ClientSampled :

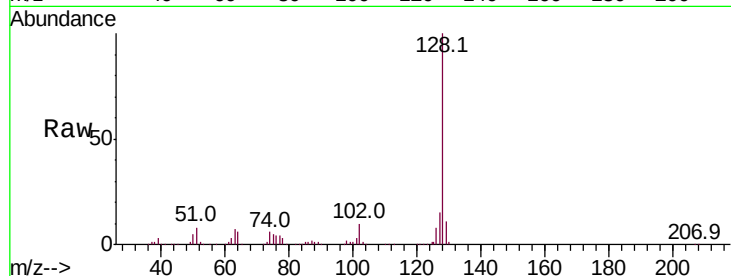
Tot Ion:128 Resp: 209297

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

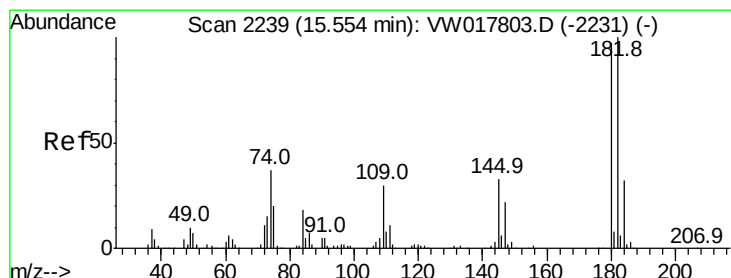
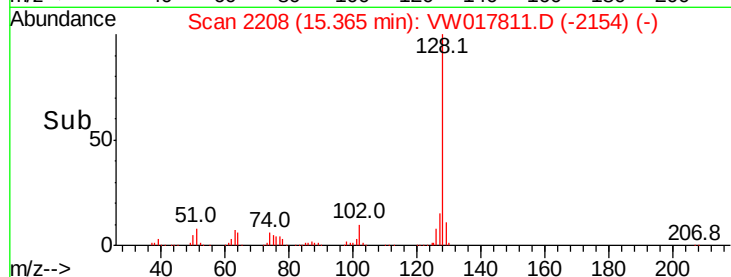
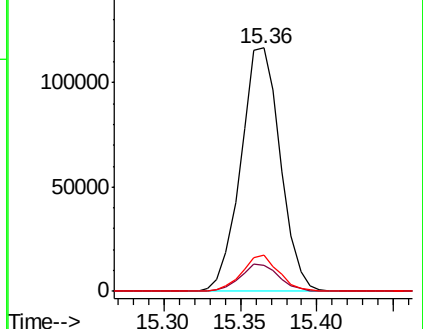
127 13.7 10.6 15.8



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: 24.861 ug/L

RT: 15.55 min Scan# 2238

Delta R.T. -0.01 min

Lab File: VW017811.D

Acq: 11 Jan 2021 11:08

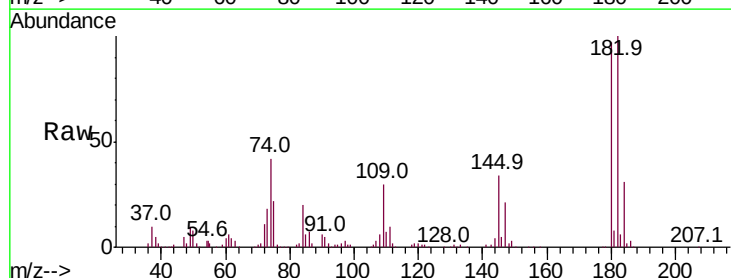
Tgt Ion:180 Resp: 99885

Ion Ratio Lower Upper

180 100

182 93.5 74.8 112.2

145 34.8 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

