

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011421\
 Data File : VW017891.D
 Acq On : 14 Jan 2021 19:36
 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 14 21:47:46 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 14 21:44:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	320647	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	296143	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	150707	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	109448	22.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.24%
7) Chloroethane-d5	2.89	69	99554	24.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.24%
10) 1,1-Dichloroethene-d2	4.03	63	204432	23.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.60%
20) 2-Butanone-d5	7.08	46	50625	62.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.92%
24) Chloroform-d	7.65	84	235200	28.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.28%
26) 1,2-Dichloroethane-d4	8.31	65	125662	28.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	115.92%
29) Benzene-d6	8.27	84	431094	25.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.36%
33) 1,2-Dichloropropane-d6	9.27	67	127308	27.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.76%
37) Toluene-d8	10.32	98	403153	25.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.64%
38) trans-1,3-Dichloropropene-	10.58	79	52210	25.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.88%
39) 2-Hexanone-d5	10.93	63	35830	62.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	103216	30.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	120.96%#
61) 1,2-Dichlorobenzene-d4	13.85	152	130588	24.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	63155	17.839	ug/L 95
3) Chloromethane	2.21	50	67372	21.410	ug/L 100
5) Vinyl chloride	2.37	62	117248	22.025	ug/L 100
6) Bromomethane	2.78	94	88006	22.294	ug/L 100
8) Chloroethane	2.92	64	79349	23.774	ug/L 100
9) Trichlorofluoromethane	3.26	101	87629	20.063	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	100301	24.605	ug/L 96
12) 1,1-Dichloroethene	4.04	96	92572	23.426	ug/L 99
13) Acetone	4.14	43	30816	44.380	ug/L 97
14) Carbon disulfide	4.39	76	242503	20.551	ug/L 99
15) Methyl Acetate	4.67	43	38240	28.415	ug/L 97
16) Methylene chloride	4.92	84	105420	22.991	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	127587	25.476	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	102224	23.983	ug/L 96
19) 1,1-Dichloroethane	6.22	63	192432	26.425	ug/L 98
21) 2-Butanone	7.17	43	50500	54.069	ug/L 95
22) cis-1,2-Dichloroethene	7.17	96	112294	25.071	ug/L 93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011421\
 Data File : VW017891.D
 Acq On : 14 Jan 2021 19:36
 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 14 21:47:46 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 14 21:44:45 2021
 Response via : Initial Calibration

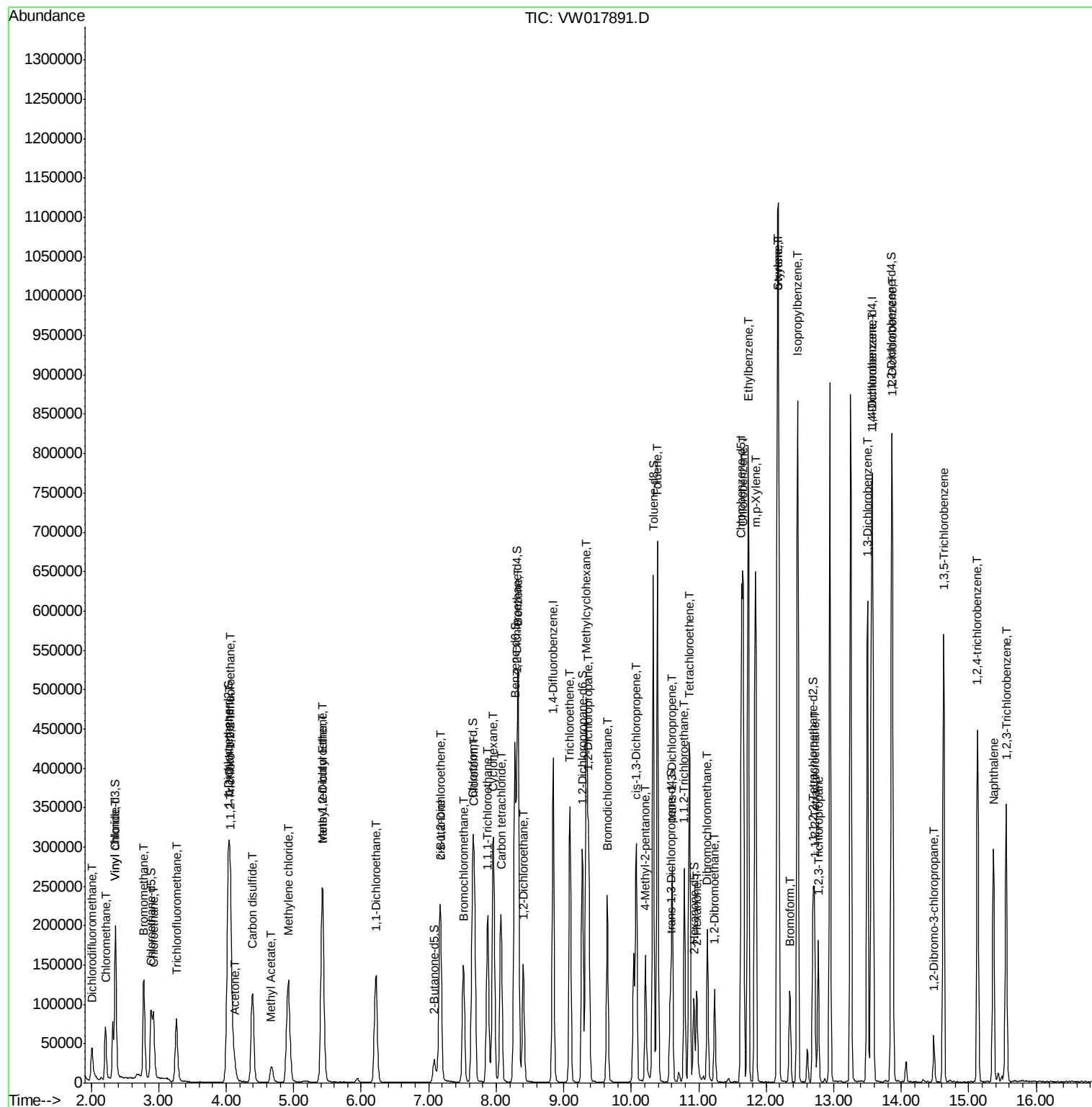
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	47425	24.995	ug/L #	84
25) Chloroform	7.68	83	206488	26.948	ug/L	99
27) 1,2-Dichloroethane	8.40	62	136894	27.618	ug/L	100
30) Cyclohexane	7.96	56	168807	23.948	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	164004	24.075	ug/L	97
32) Carbon tetrachloride	8.07	117	151036	23.501	ug/L	99
34) Benzene	8.32	78	430107	25.401	ug/L	100
35) Trichloroethene	9.09	95	113072	24.125	ug/L	98
36) Methylcyclohexane	9.34	83	193594	23.628	ug/L	97
40) 1,2-Dichloropropane	9.37	63	108396	27.117	ug/L	99
41) Bromodichloromethane	9.65	83	146673	26.806	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	165072	25.878	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	114111	58.759	ug/L	98
44) Toluene	10.39	91	480330	24.877	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	138537	25.504	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	79263	26.677	ug/L	96
47) Tetrachloroethene	10.86	164	85831	23.423	ug/L	96
49) 2-Hexanone	10.97	43	76706	55.671	ug/L	93
50) Dibromochloromethane	11.13	129	93579	26.529	ug/L	95
51) 1,2-Dibromoethane	11.24	107	74827	26.601	ug/L	93
52) Chlorobenzene	11.66	112	301473	25.012	ug/L	95
53) Ethylbenzene	11.73	91	539093	24.607	ug/L	98
54) m,p-Xylene	11.84	106	204877	23.906	ug/L	99
55) o-xylene	12.16	106	198760	24.661	ug/L	99
56) Styrene	12.18	104	340401	25.391	ug/L	99
57) Isopropylbenzene	12.46	105	551374	24.711	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	91413	27.565	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	68753	28.203	ug/L	99
62) Bromoform	12.35	173	45320	24.577	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	225250	24.215	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	224059	23.969	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	200760	24.563	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	14099	26.190	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	154757	24.268	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	125720	23.952	ug/L	98
69) Naphthalene	15.36	128	244117	24.422	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	106975	24.135	ug/L	97

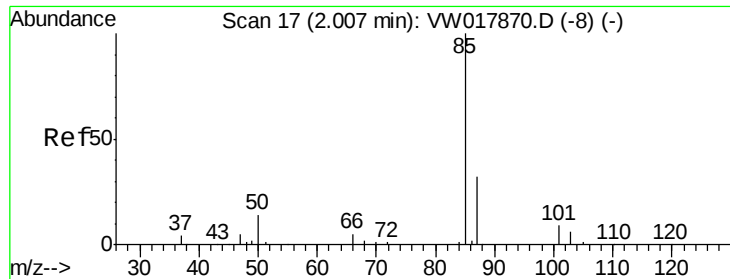
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011421\
Data File : VW017891.D
Acq On : 14 Jan 2021 19:36
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :

Quant Time: Jan 14 21:47:46 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 14 21:44:45 2021
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 17.839 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

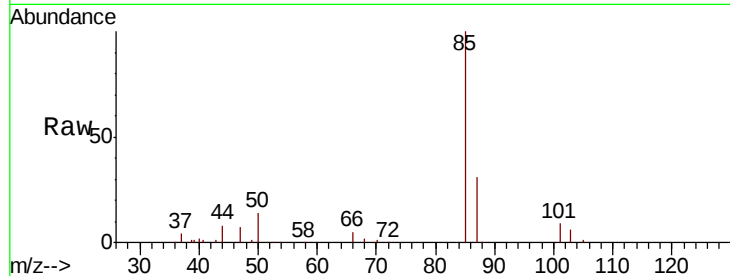
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 85 Resp: 63155

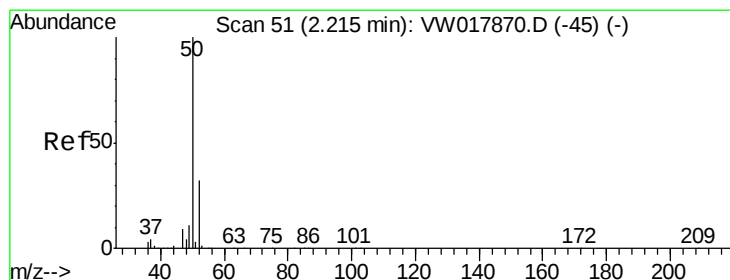
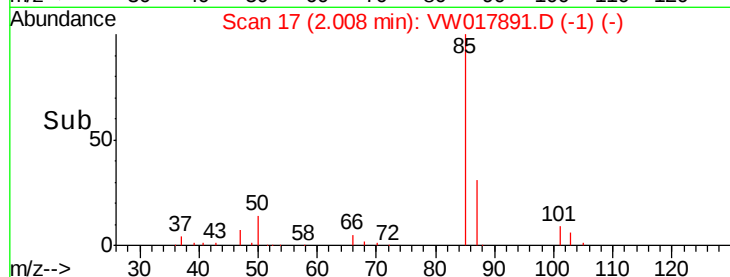
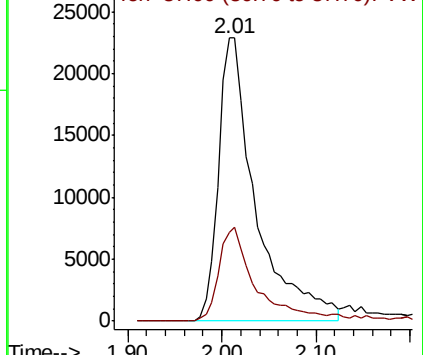
Ion Ratio Lower Upper

85 100

87 28.6 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW
Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.410 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017891.D

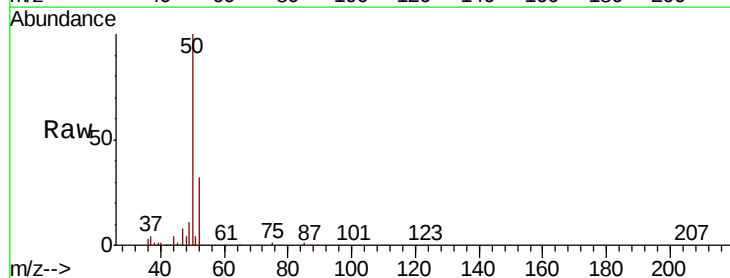
Acq: 14 Jan 2021 19:36

Tgt Ion: 50 Resp: 67372

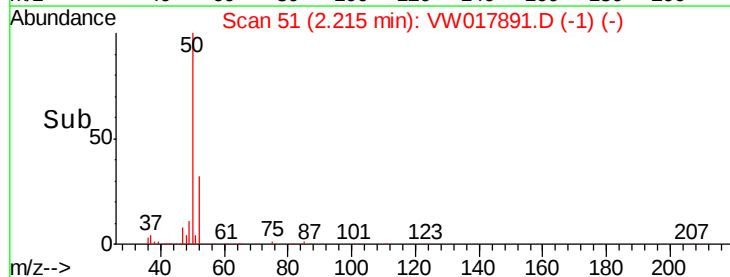
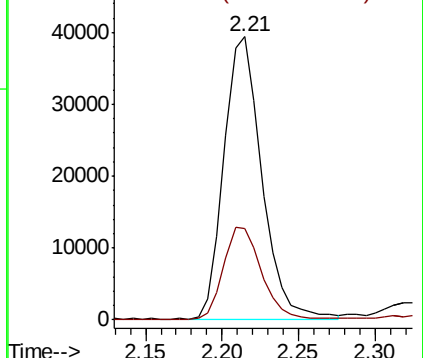
Ion Ratio Lower Upper

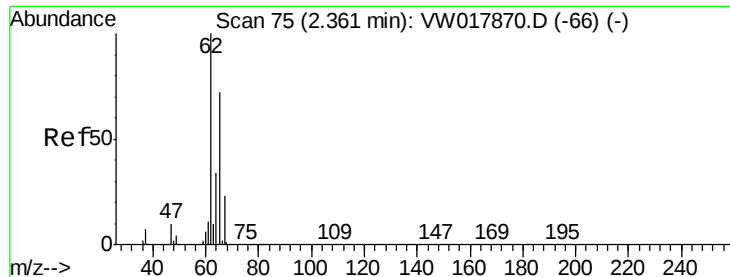
50 100

52 32.2 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW
Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.025 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Instrument :

MSVOA_W

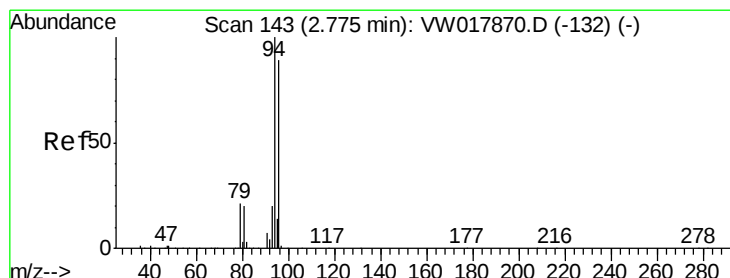
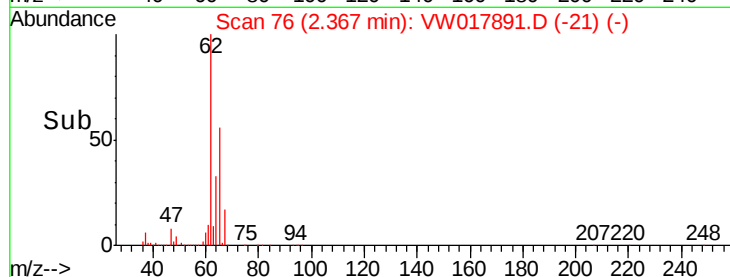
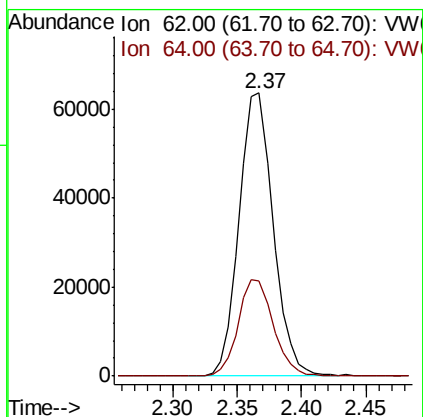
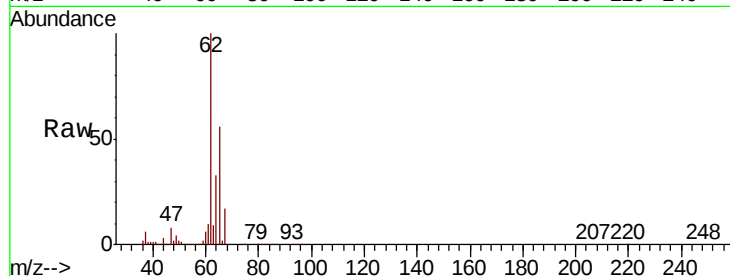
ClientSampled :

Tot Ion: 62 Resp: 117248

Ion Ratio Lower Upper

62 100

64 33.4 23.3 43.3



#6

Bromomethane

Concen: 22.294 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW017891.D

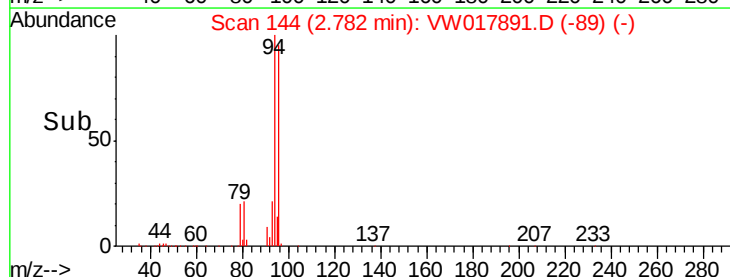
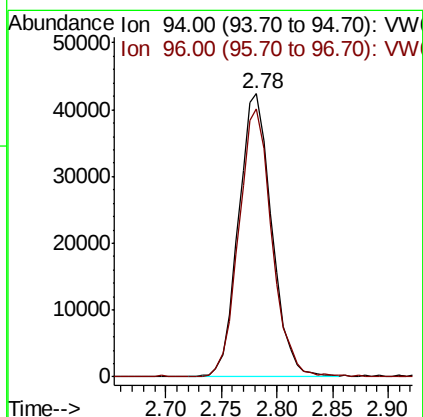
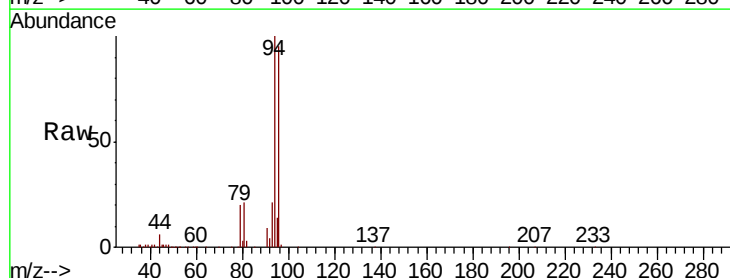
Acq: 14 Jan 2021 19:36

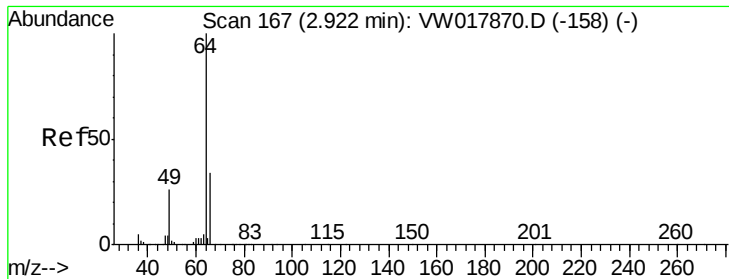
Tgt Ion: 94 Resp: 88006

Ion Ratio Lower Upper

94 100

96 94.0 9.4 178.6





#8

Chloroethane

Concen: 23.774 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Instrument :

MSVOA_W

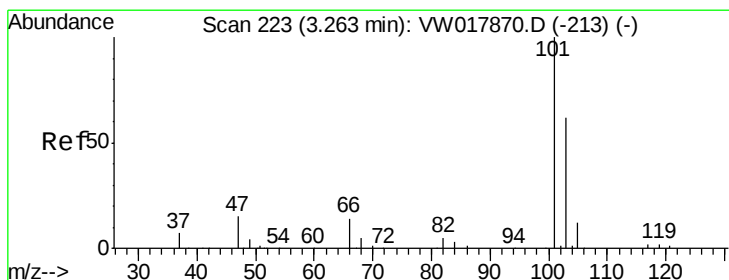
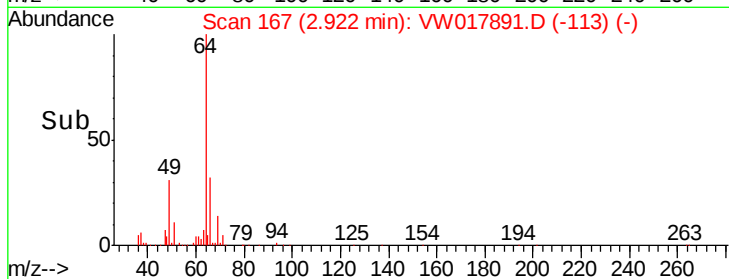
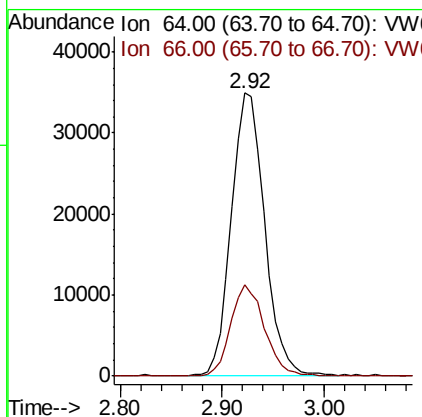
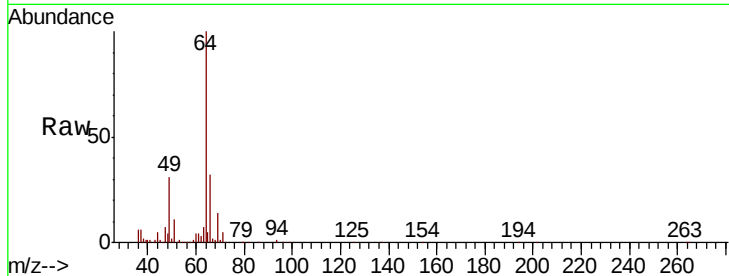
ClientSampleId :

Tot Ion: 64 Resp: 79349

Ion Ratio Lower Upper

64 100

66 32.1 22.3 41.5



#9

Trichlorofluoromethane

Concen: 20.063 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW017891.D

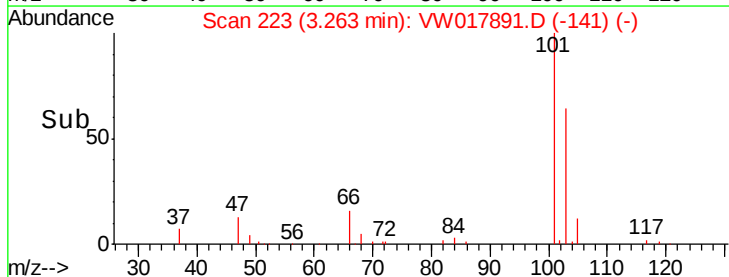
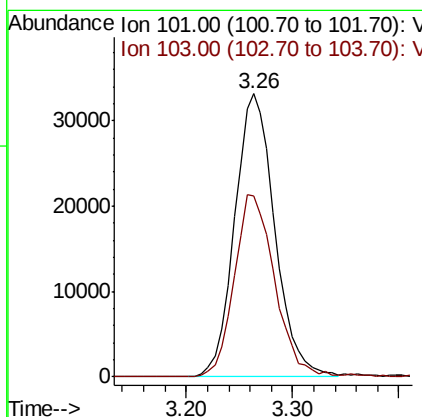
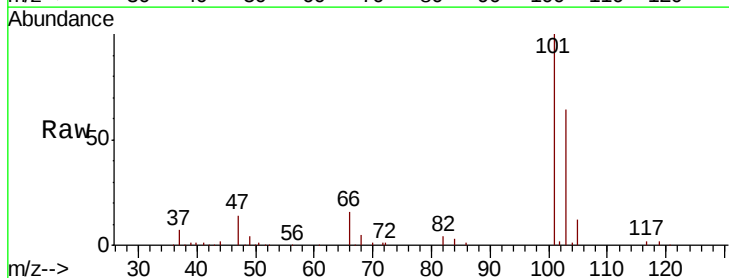
Acq: 14 Jan 2021 19:36

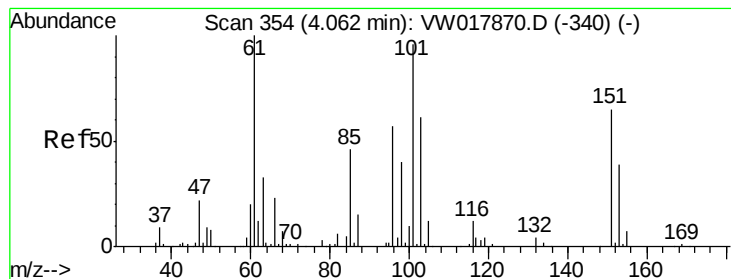
Tgt Ion: 101 Resp: 87629

Ion Ratio Lower Upper

101 100

103 64.3 46.0 85.4





#11

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

Concen: 24.605 ug/L

RT: 4.07 min Scan# 355

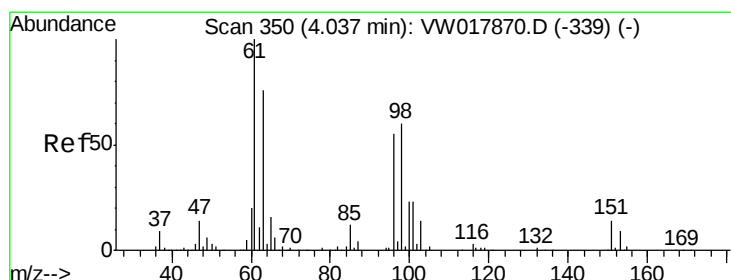
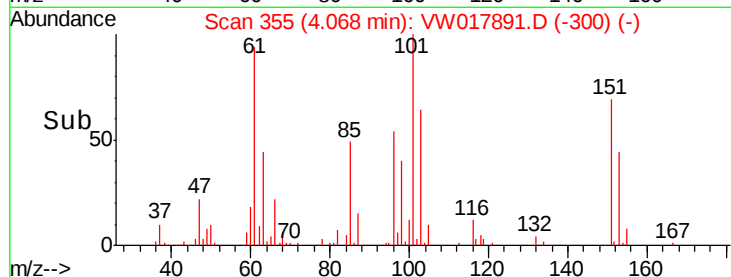
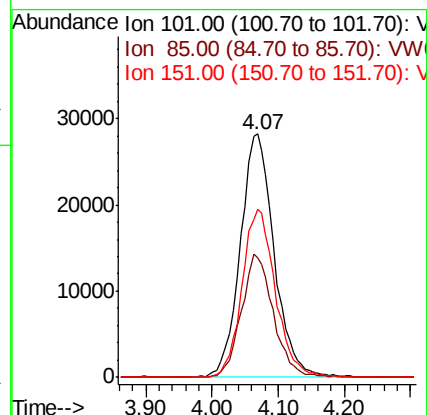
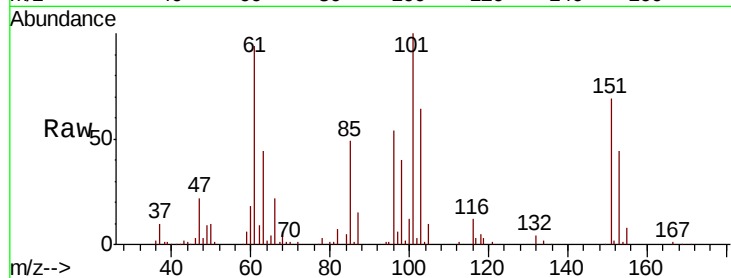
Delta R.T. 0.01 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:101 Resp: 100301
Ion Ratio Lower Upper
101 100
85 47.4 36.7 55.1
151 67.2 57.7 86.5



#12

1,1-Dichloroethene

Concen: 23.426 ug/L

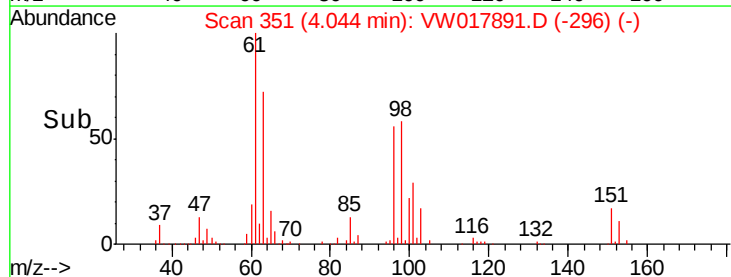
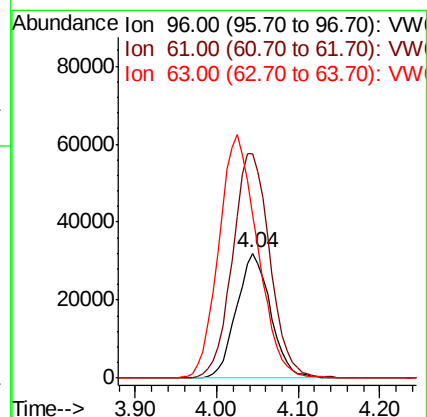
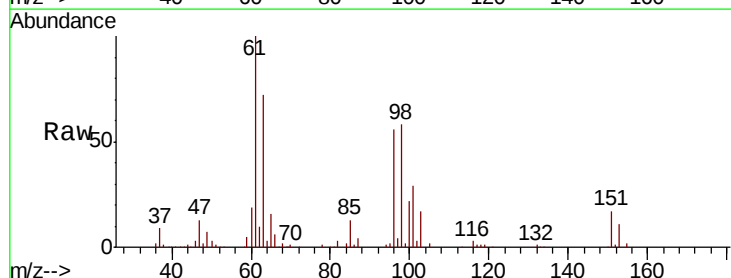
RT: 4.04 min Scan# 351

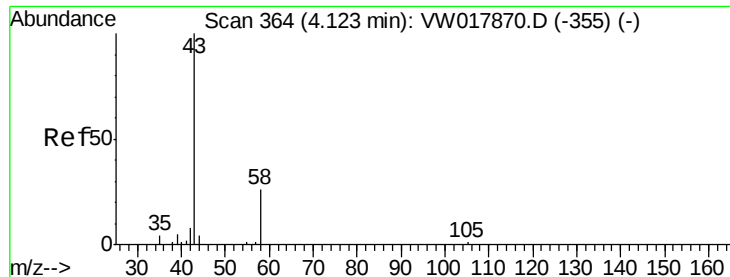
Delta R.T. 0.01 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Tgt Ion: 96 Resp: 92572
Ion Ratio Lower Upper
96 100
61 179.8 126.1 234.1
63 130.0 90.0 167.2





#13

Acetone

Concen: 44.380 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

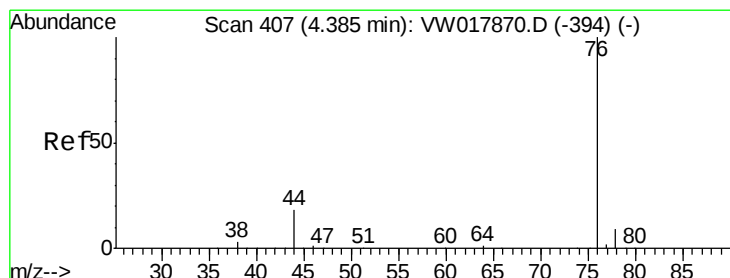
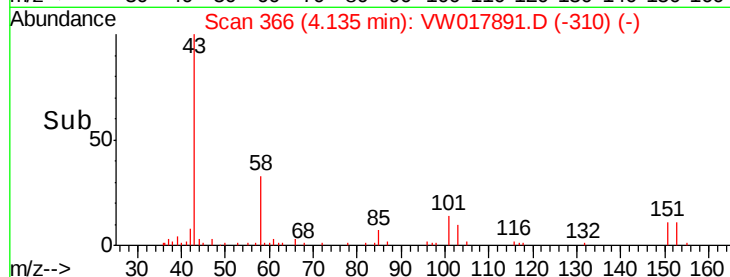
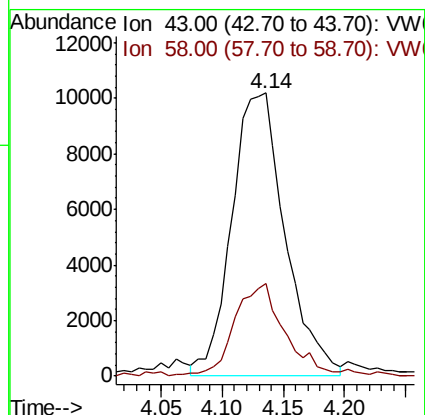
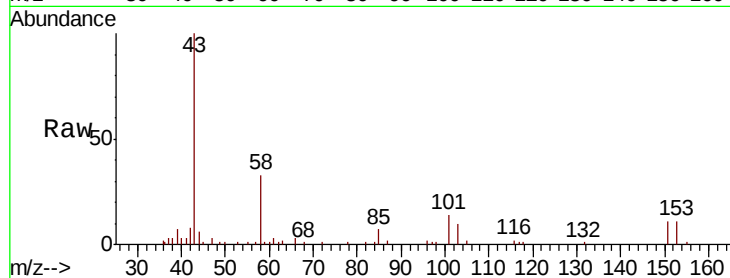
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 30816

Ion Ratio Lower Upper

43 100

58 28.8 0.0 60.8



#14

Carbon disulfide

Concen: 20.551 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017891.D

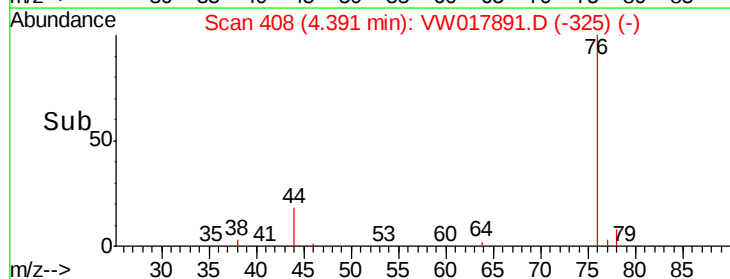
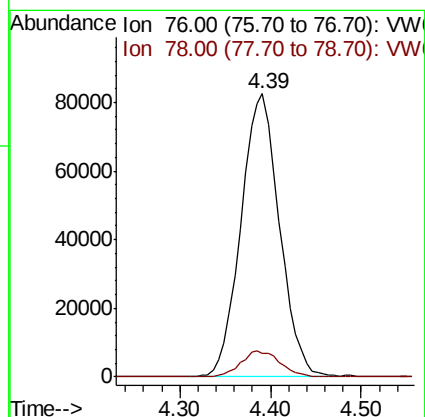
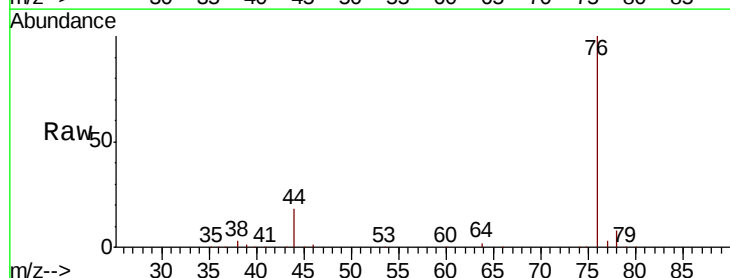
Acq: 14 Jan 2021 19:36

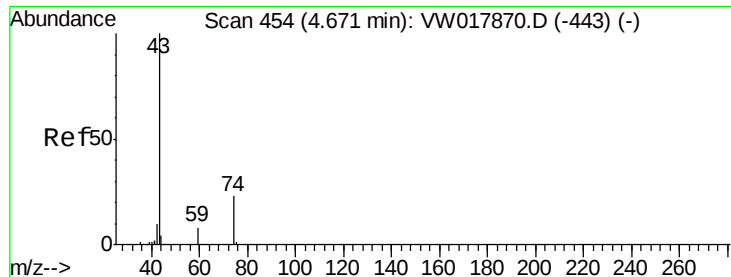
Tgt Ion: 76 Resp: 242503

Ion Ratio Lower Upper

76 100

78 8.4 7.1 10.7





#15

Methvl Acetate

Concen: 28.415 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Instrument :

MSVOA_W

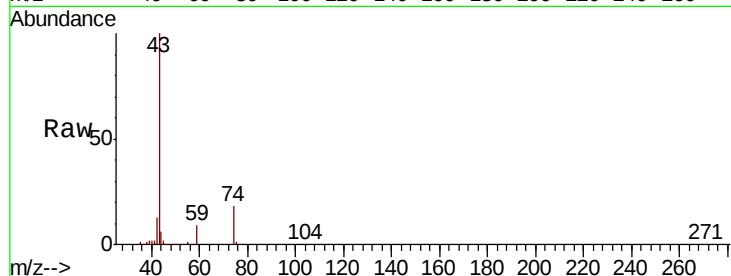
ClientSampled :

Tot Ion: 43 Resp: 38240

Ion Ratio Lower Upper

43 100

74 23.7 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

15000

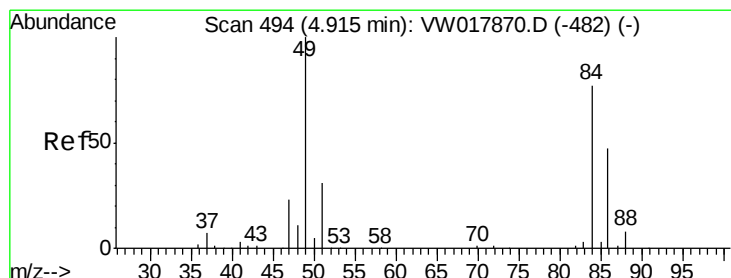
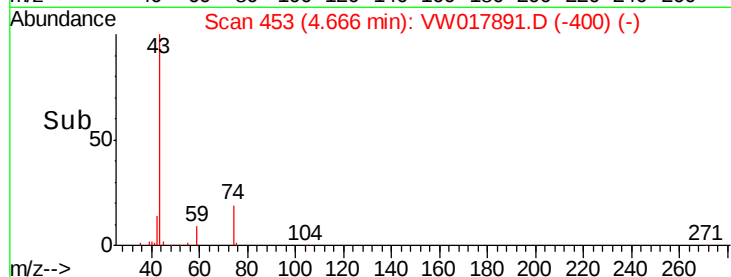
10000

5000

0

Time-->

4.60 4.70 4.80



#16

Methylene chloride

Concen: 22.991 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

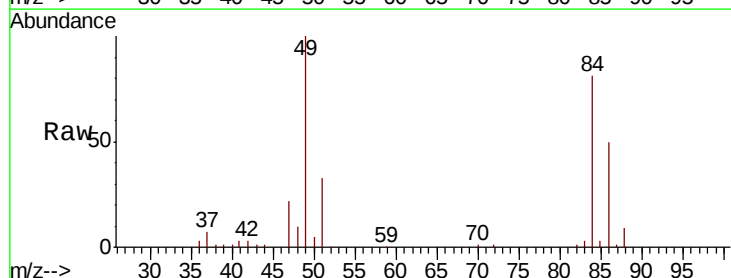
Tgt Ion: 84 Resp: 105420

Ion Ratio Lower Upper

84 100

49 123.6 90.5 168.1

86 61.8 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

50000

40000

30000

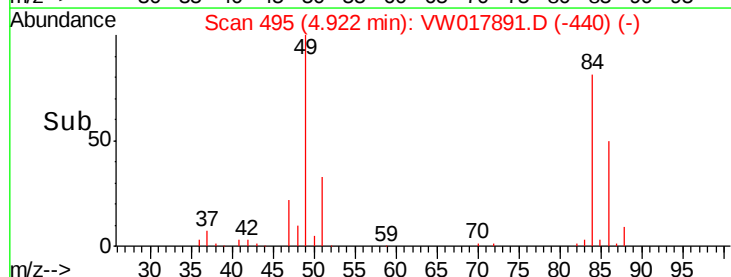
20000

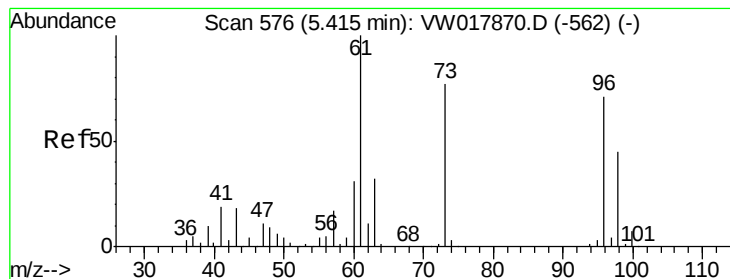
10000

0

Time-->

4.80 4.90 5.00



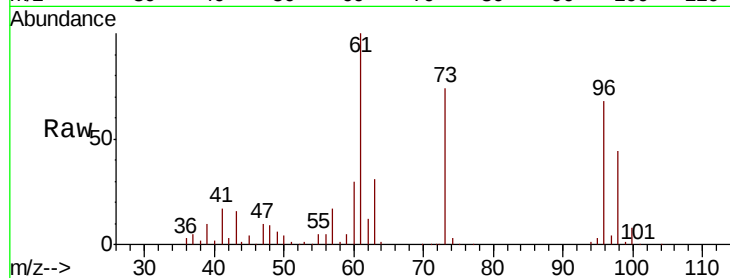


#17

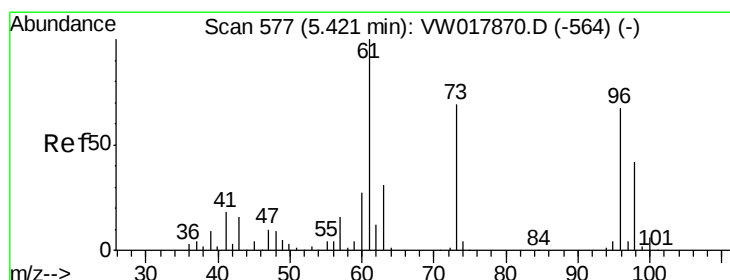
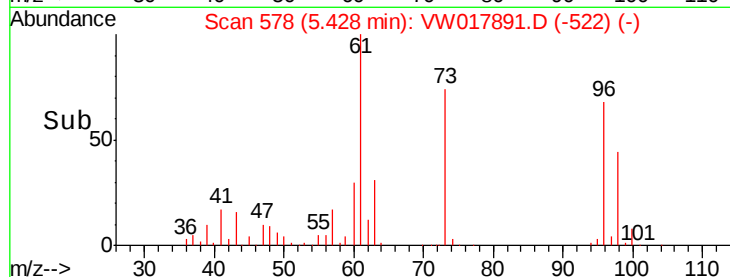
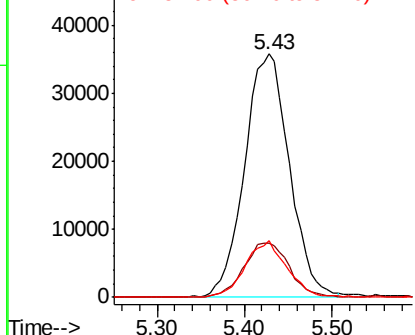
Methvl tert-butvl Ether
 Concen: 25.476 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW017891.D
 Acq: 14 Jan 2021 19:36

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 73 Resp: 127587
 Ion Ratio Lower Upper
 73 100
 43 22.6 17.1 25.7
 57 21.6 16.6 25.0



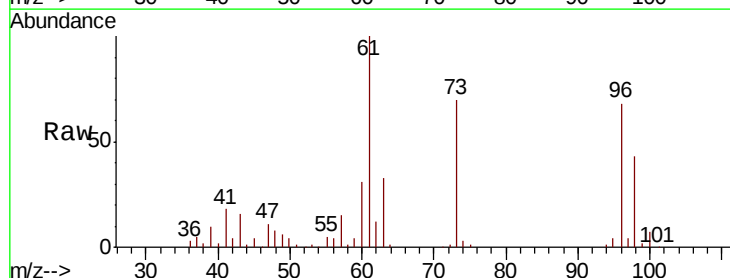
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



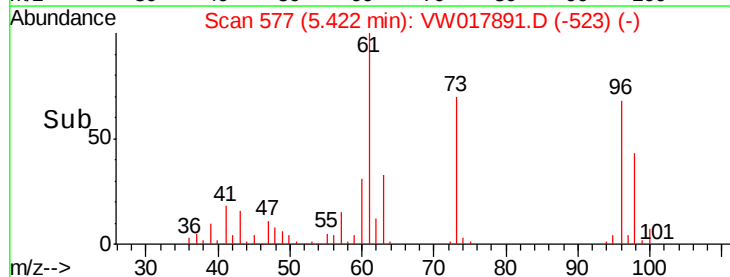
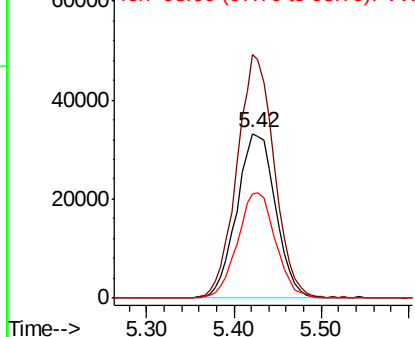
#18

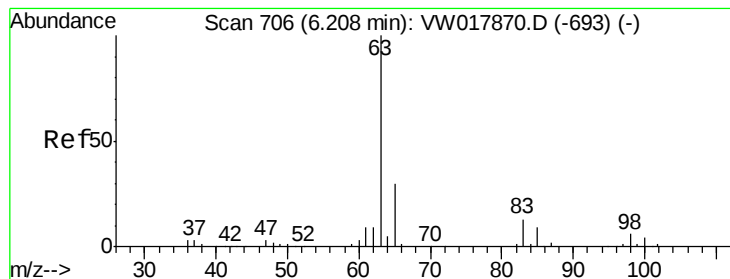
trans-1,2-Dichloroethene
 Concen: 23.983 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW017891.D
 Acq: 14 Jan 2021 19:36

Tgt Ion: 96 Resp: 102224
 Ion Ratio Lower Upper
 96 100
 61 148.1 99.5 184.9
 98 63.4 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: 26.425 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Instrument :

MSVOA_W

ClientSampled :

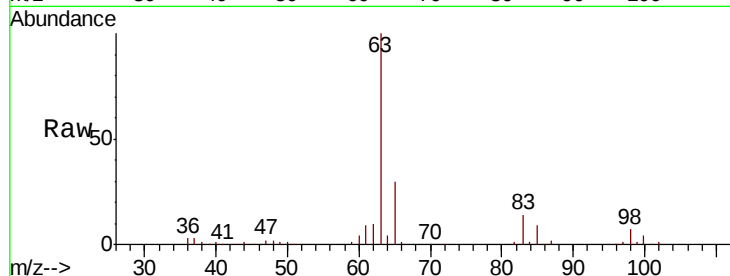
Tot Ion: 63 Resp: 192432

Ion Ratio Lower Upper

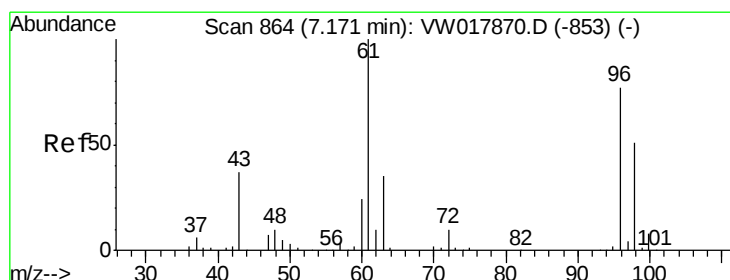
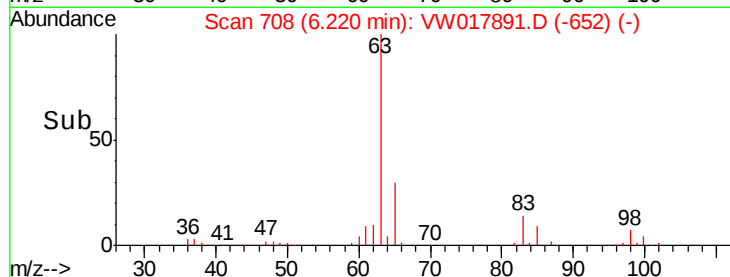
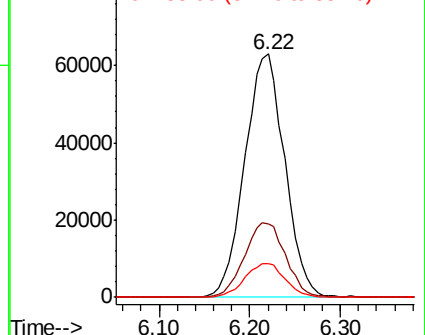
63 100

65 30.3 21.9 40.7

83 13.7 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: 54.069 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017891.D

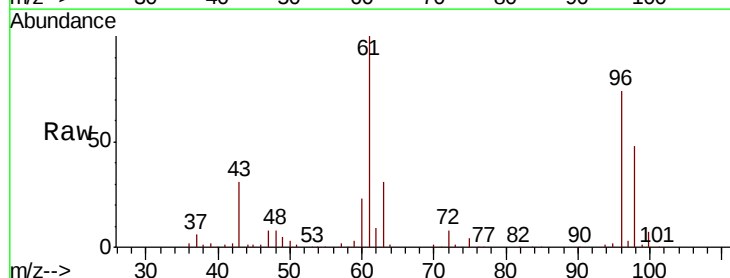
Acq: 14 Jan 2021 19:36

Tgt Ion: 43 Resp: 50500

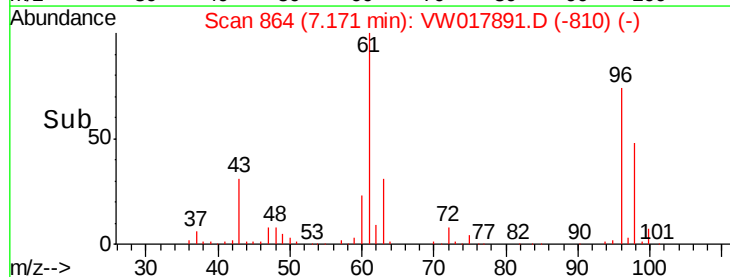
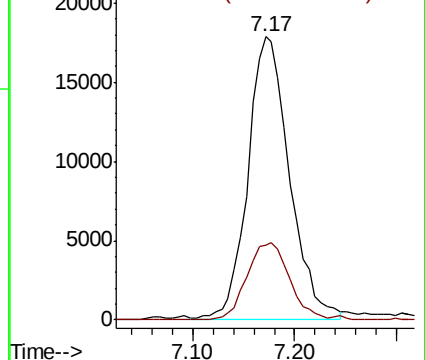
Ion Ratio Lower Upper

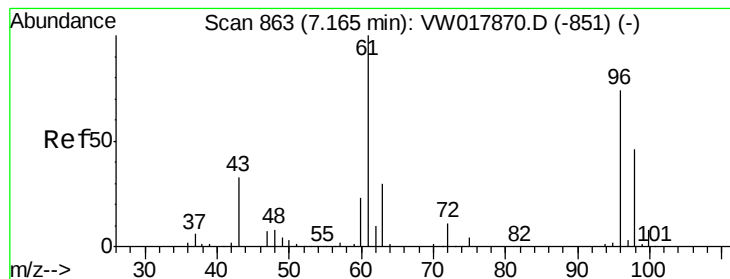
43 100

72 27.9 15.4 46.2



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



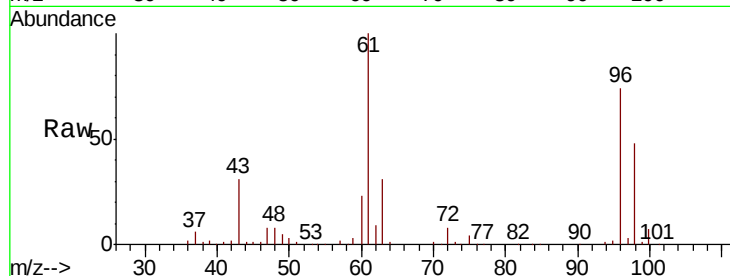


#22

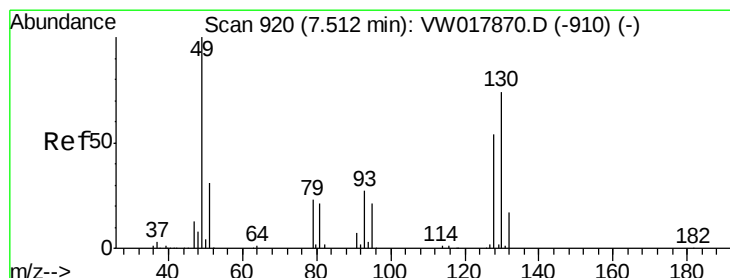
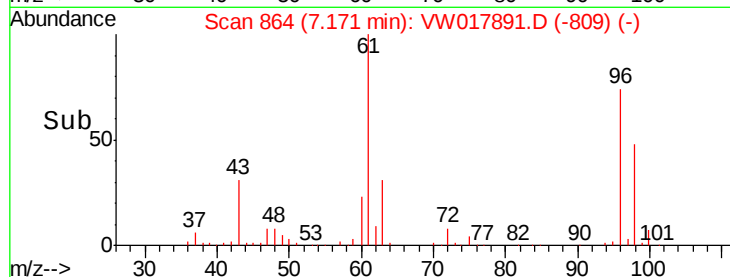
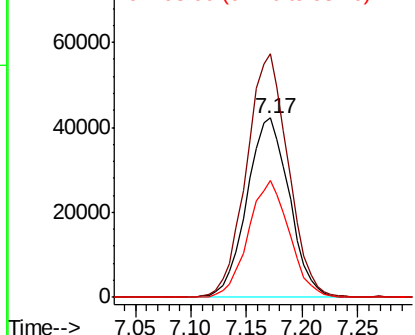
cis-1,2-Dichloroethene
Concen: 25.071 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW017891.D
Acq: 14 Jan 2021 19:36

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 112294
Ion Ratio Lower Upper
96 100
61 135.6 88.2 163.8
98 64.8 43.7 81.1



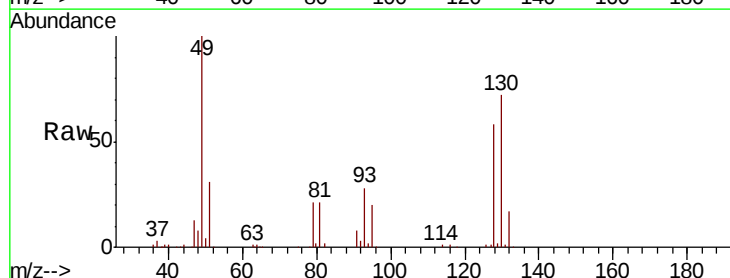
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



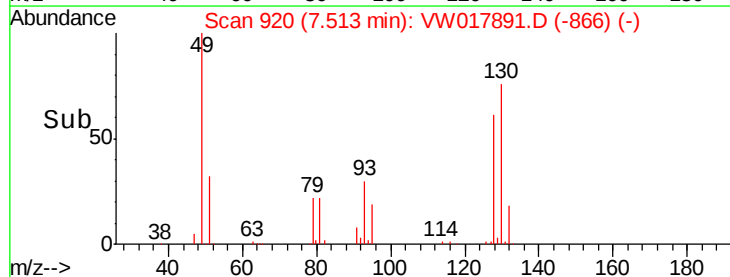
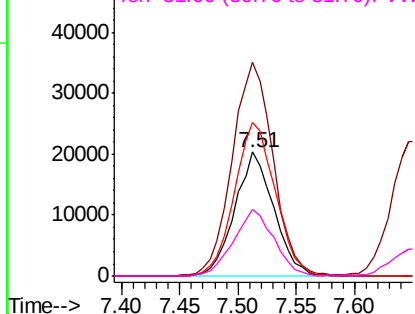
#23

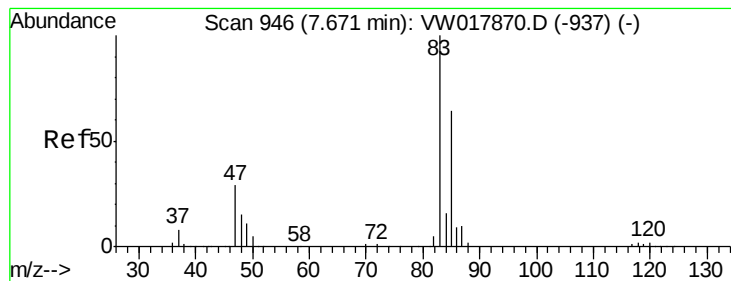
Bromochloromethane
Concen: 24.995 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW017891.D
Acq: 14 Jan 2021 19:36

Tgt Ion:128 Resp: 47425
Ion Ratio Lower Upper
128 100
49 172.6 98.3 182.5
130 123.9 84.4 156.7
51 53.8 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: 26.948 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

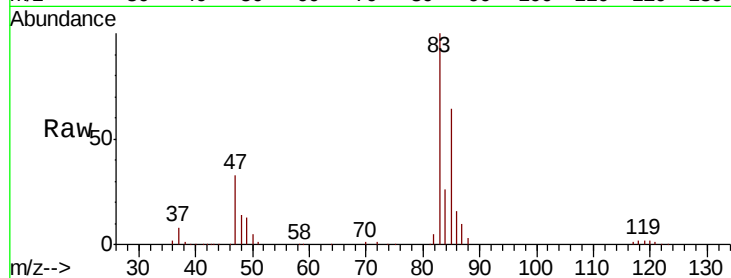
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 206488

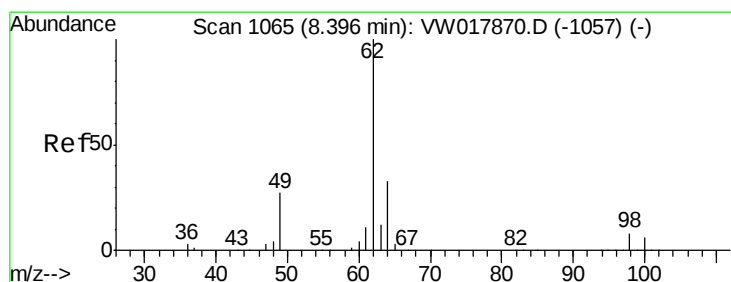
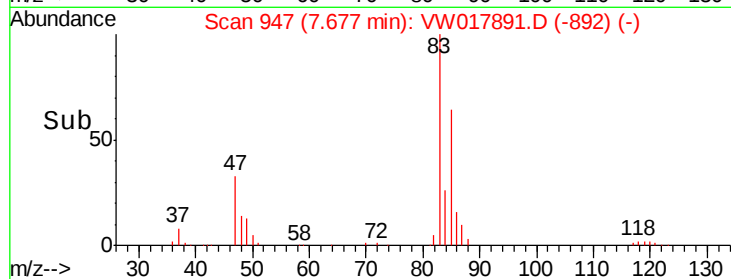
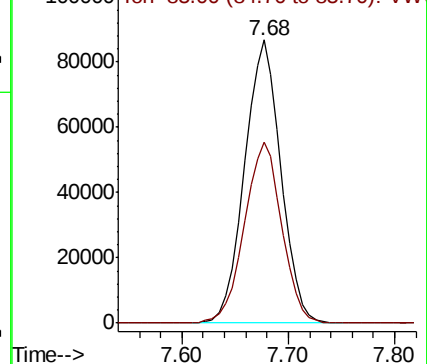
Ion Ratio Lower Upper

83 100

85 66.1 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 27.618 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW017891.D

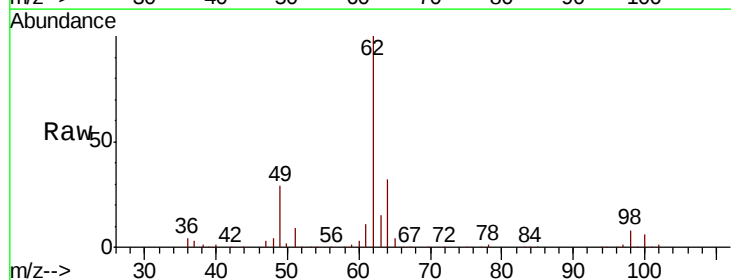
Acq: 14 Jan 2021 19:36

Tgt Ion: 62 Resp: 136894

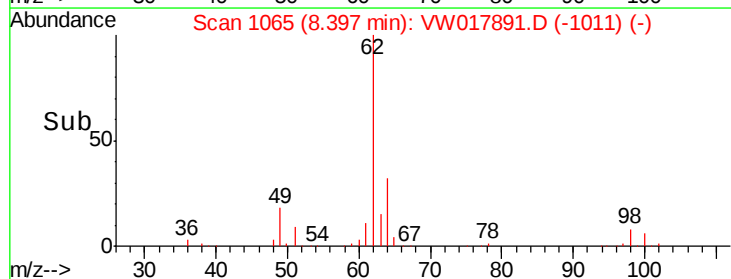
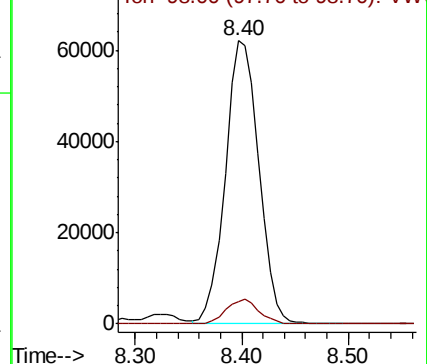
Ion Ratio Lower Upper

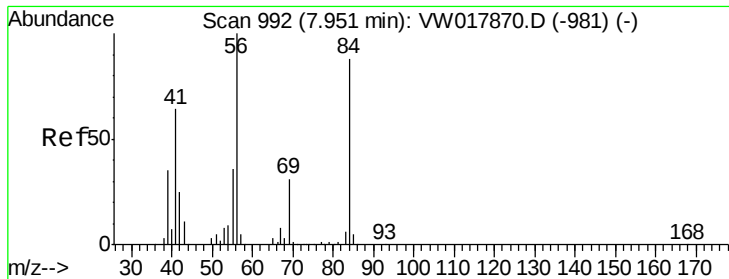
62 100

98 8.1 6.3 9.5



Abundance Ion 62.00 (61.70 to 62.70): VW
Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 23.948 ug/L

RT: 7.96 min Scan# 993

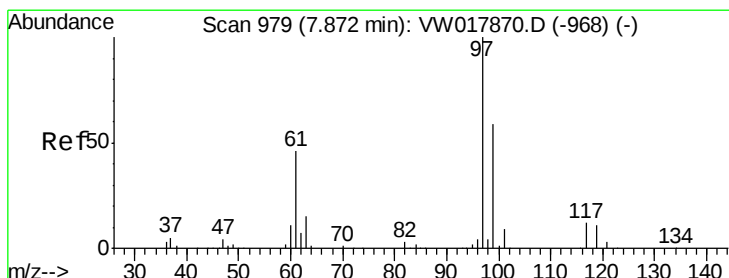
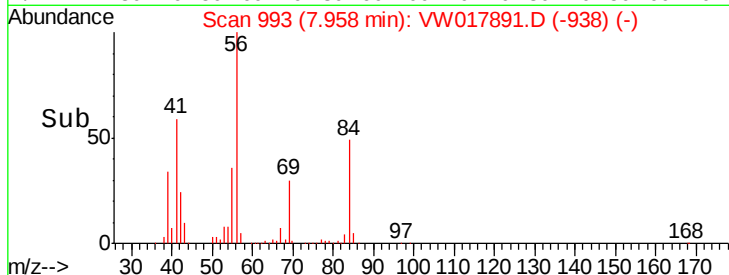
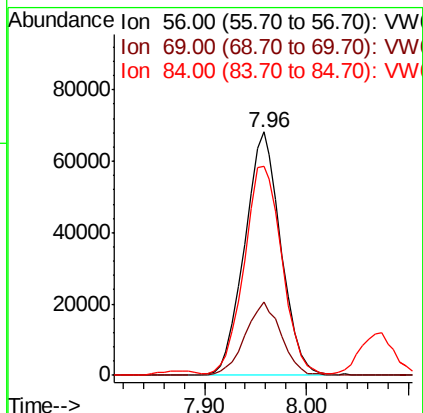
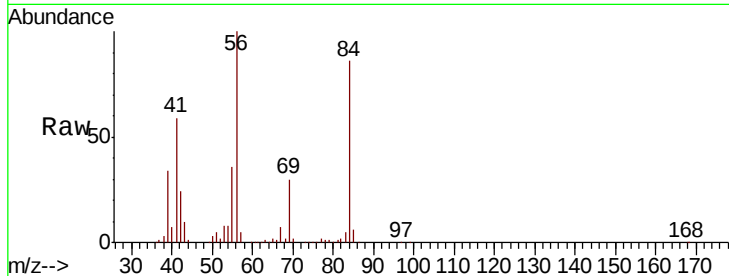
Delta R.T. 0.01 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	56	Resp:	168807
Ion	Ratio	Lower	Upper
56	100		
69	29.9	25.0	37.4
84	89.6	76.6	115.0



#31

1,1,1-Trichloroethane

Concen: 24.075 ug/L

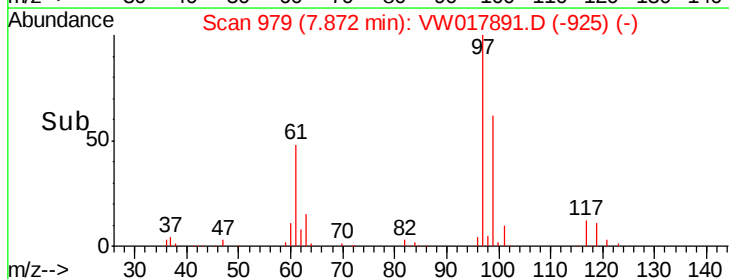
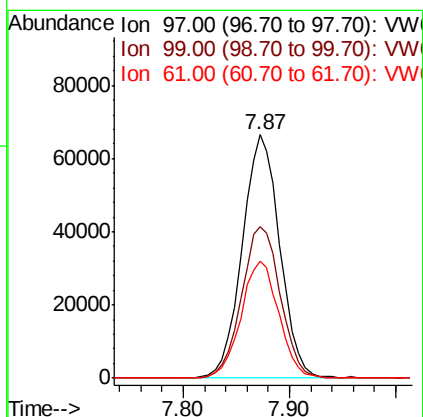
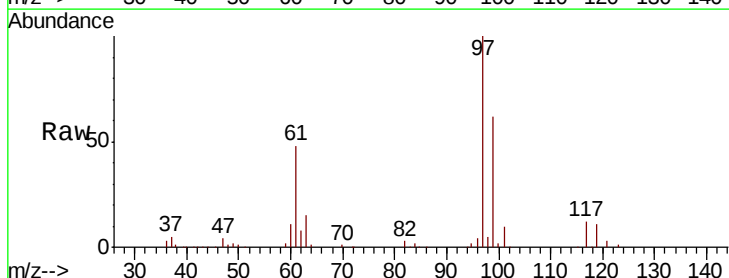
RT: 7.87 min Scan# 979

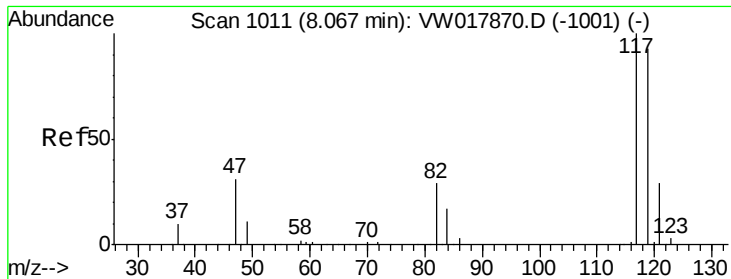
Delta R.T. 0.00 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Tgt Ion:	97	Resp:	164004
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.1	76.7
61	48.6	35.8	53.8





#32

Carbon tetrachloride

Concen: 23.501 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Instrument :

MSVOA_W

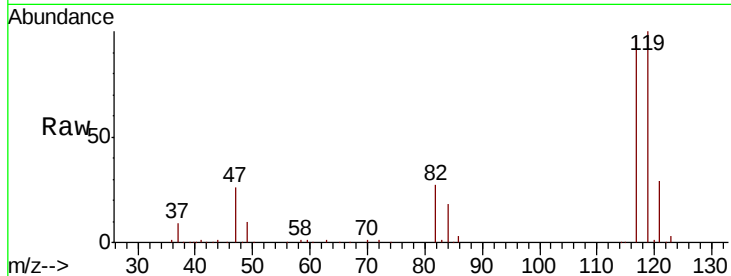
ClientSampleId :

Tot Ion:117 Resp: 151036

Ion Ratio Lower Upper

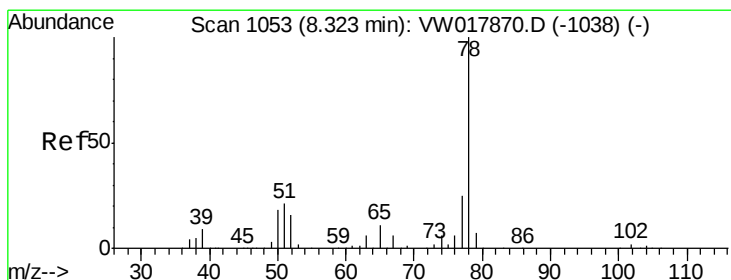
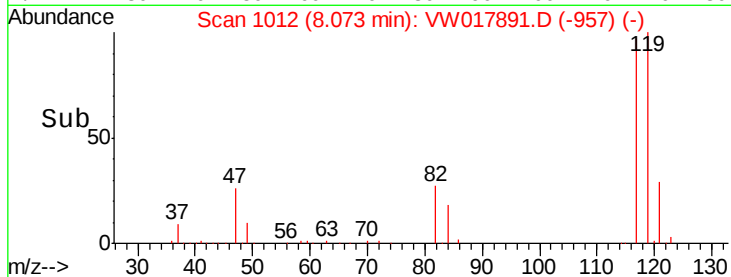
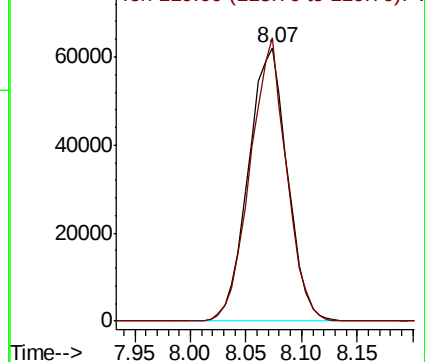
117 100

119 96.7 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: 25.401 ug/L

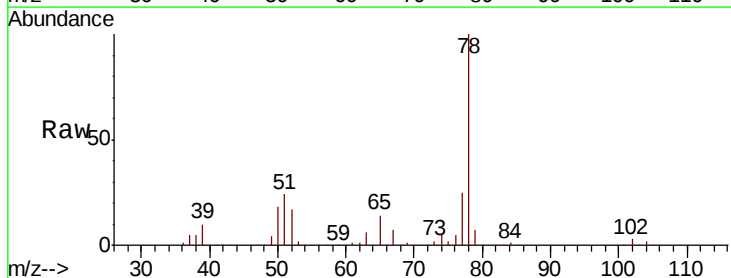
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

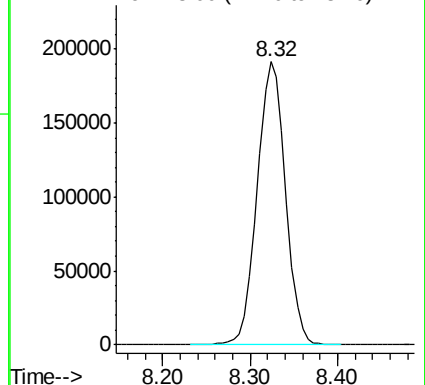
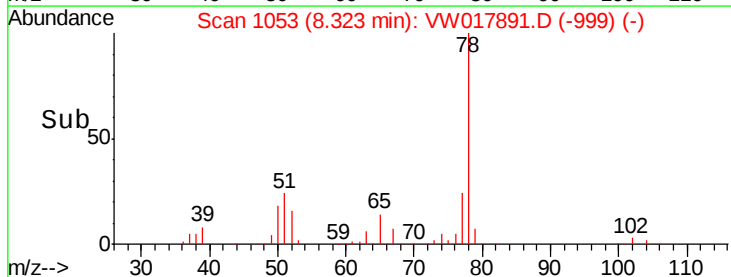
Lab File: VW017891.D

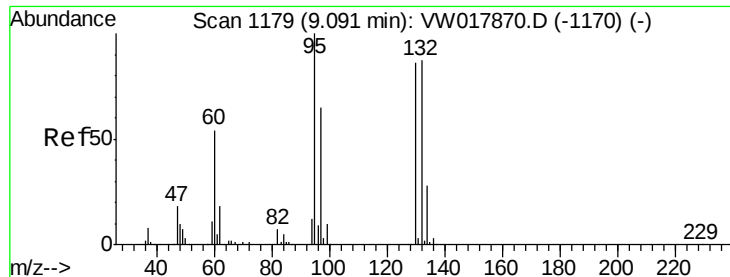
Acq: 14 Jan 2021 19:36

Tgt Ion: 78 Resp: 430107



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.125 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 113072

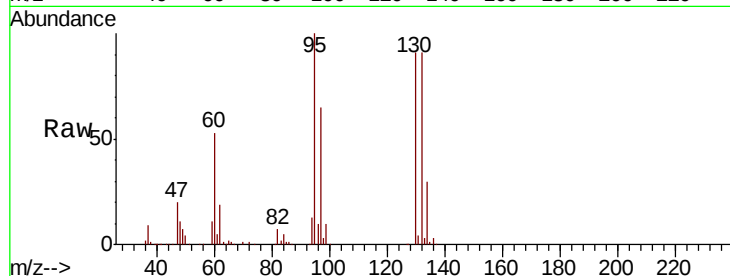
Ion Ratio Lower Upper

95 100

97 66.5 46.8 87.0

132 95.7 68.3 126.9

130 99.0 71.8 133.4

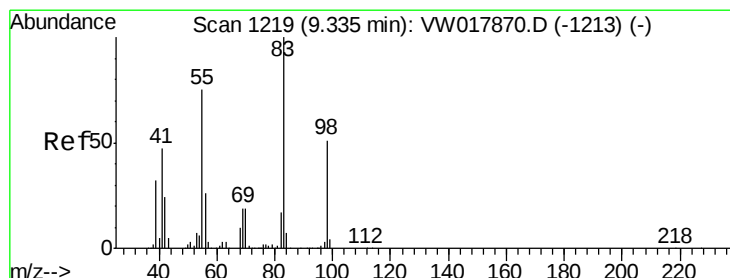
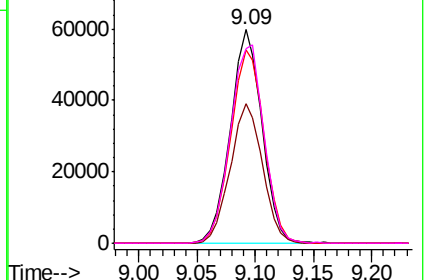
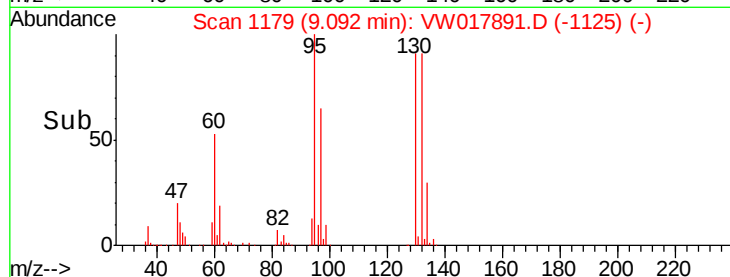


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.628 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

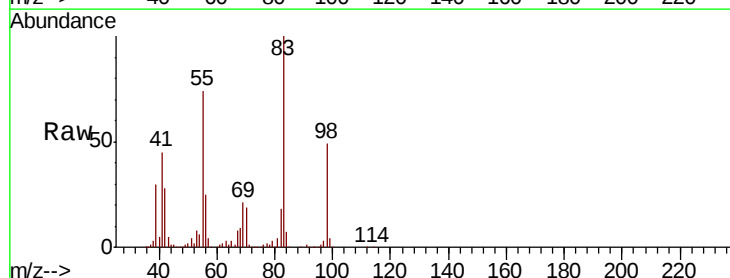
Tgt Ion: 83 Resp: 193594

Ion Ratio Lower Upper

83 100

55 75.5 57.6 86.4

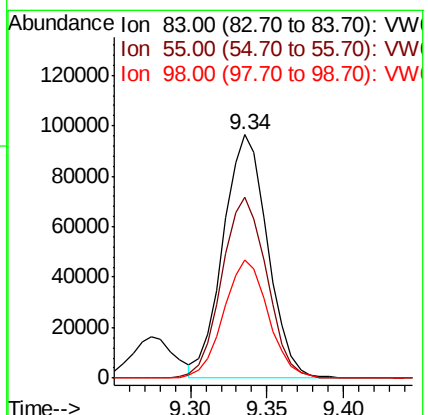
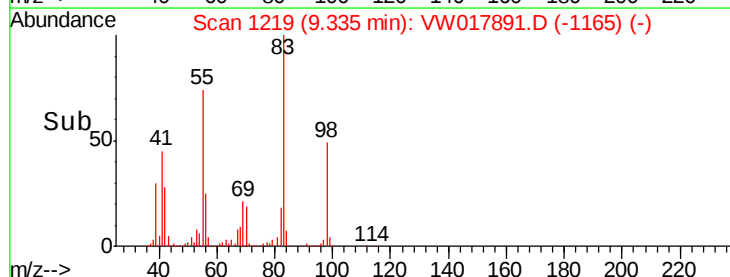
98 48.8 39.7 59.5

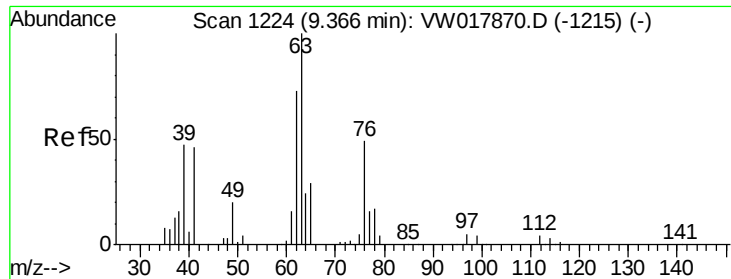


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

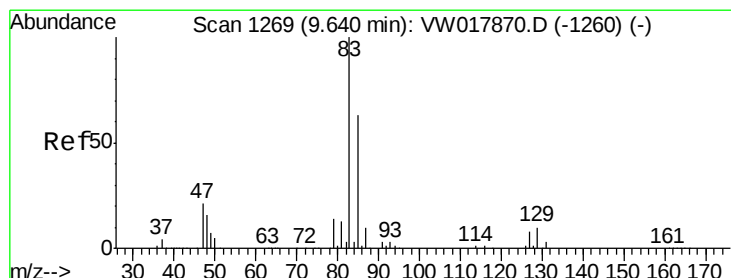
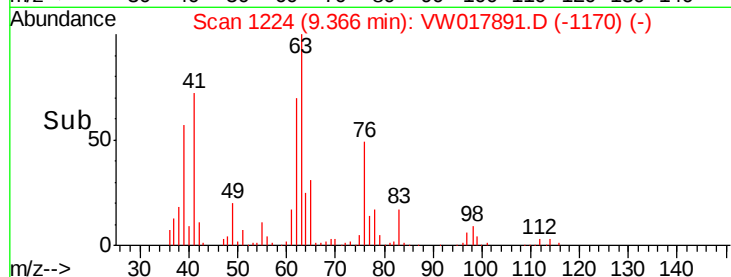
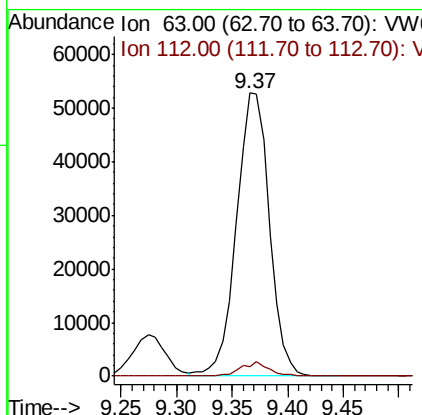
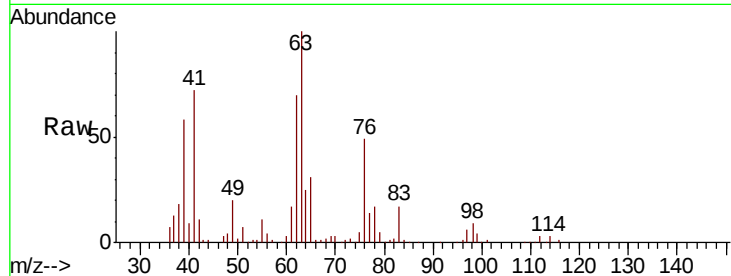




#40
 1,2-Dichloropropane
 Concen: 27.117 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW017891.D
 Acq: 14 Jan 2021 19:36

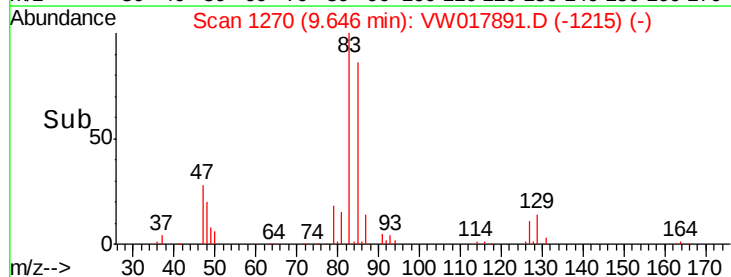
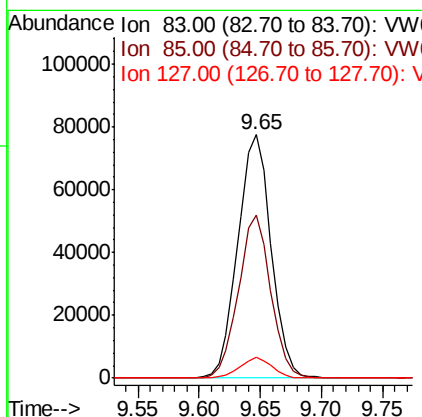
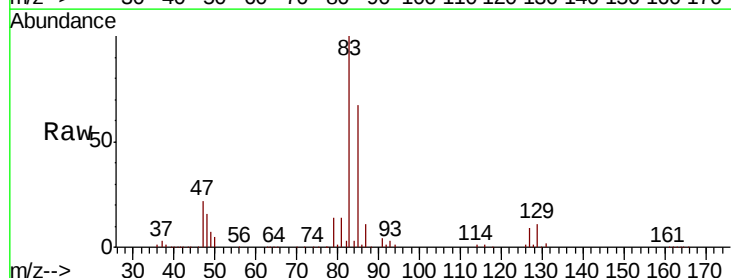
Instrument :
 MSVOA_W
 ClientSampleId :

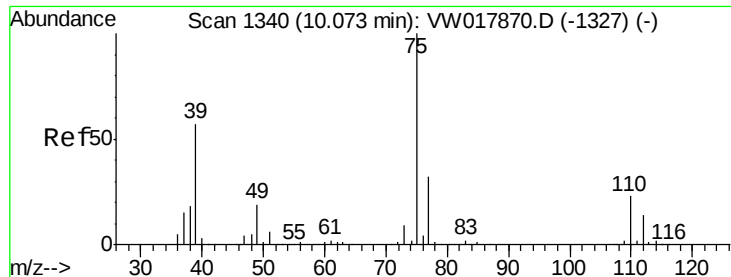
Tot Ion: 63 Resp: 108396
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#41
 Bromodichloromethane
 Concen: 26.806 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW017891.D
 Acq: 14 Jan 2021 19:36

Tgt Ion: 83 Resp: 146673
 Ion Ratio Lower Upper
 83 100
 85 66.9 44.5 82.7
 127 8.6 6.9 10.3





#42

cis-1,3-Dichloropropene

Concen: 25.878 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Instrument :

MSVOA_W

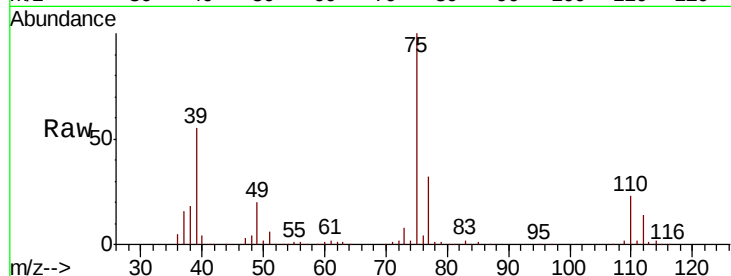
ClientSampled :

Tot Ion: 75 Resp: 165072

Ion Ratio Lower Upper

75 100

77 32.3 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

80000

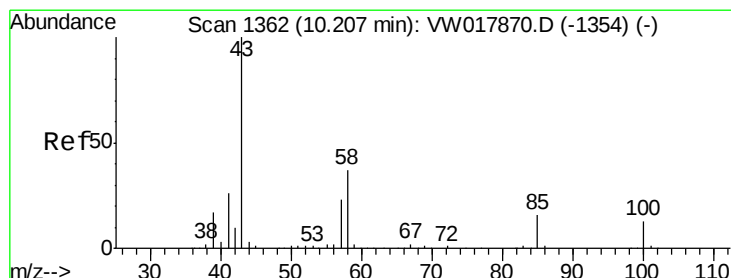
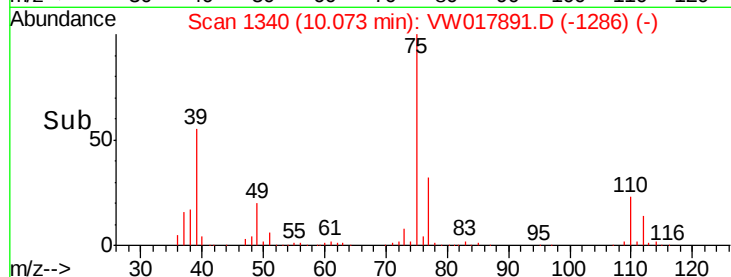
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 58.759 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

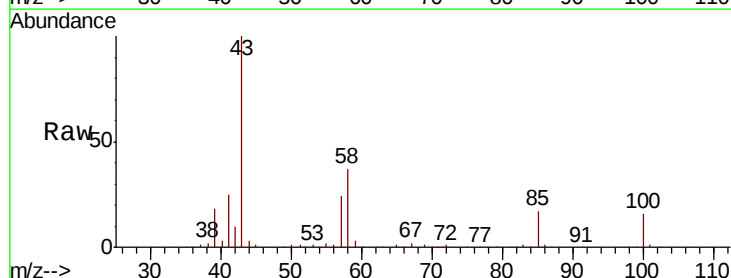
Tgt Ion: 43 Resp: 114111

Ion Ratio Lower Upper

43 100

58 37.5 31.0 46.4

100 15.4 13.5 20.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

200000

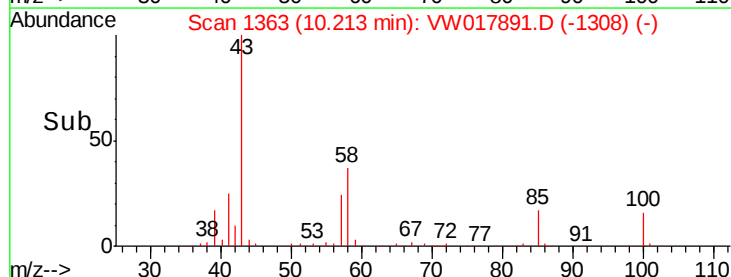
150000

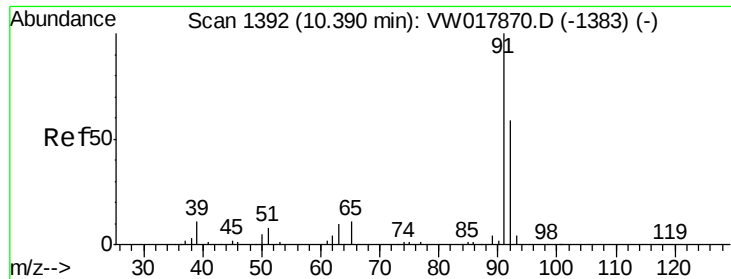
100000

50000

0

Time-->





#44

Toluene

Concen: 24.877 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Instrument :

MSVOA_W

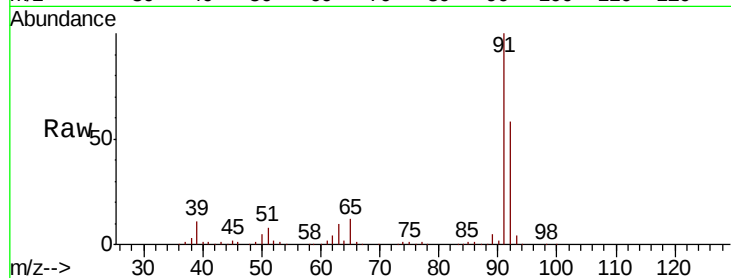
ClientSampled :

Tot Ion: 91 Resp: 480330

Ion Ratio Lower Upper

91 100

92 57.8 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

300000

250000

200000

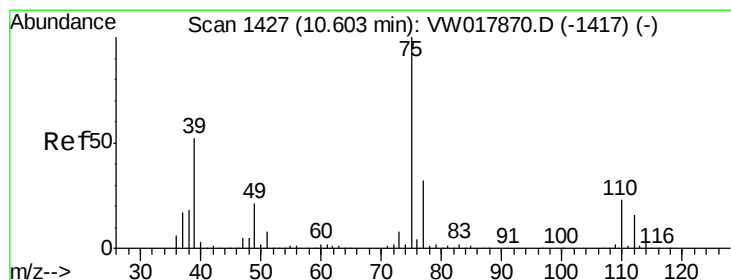
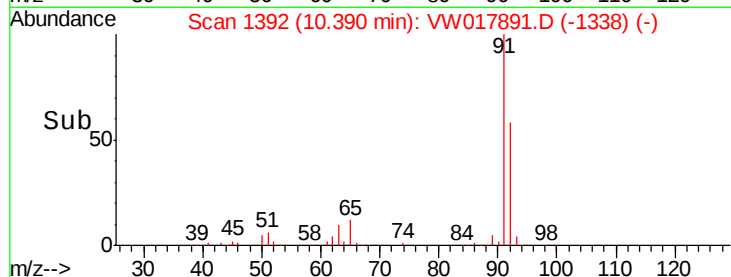
150000

100000

50000

0

Time--> 10.30 10.40



#45

trans-1,3-Dichloropropene

Concen: 25.504 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017891.D

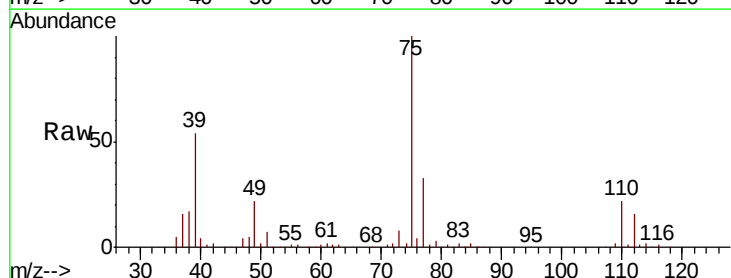
Acq: 14 Jan 2021 19:36

Tgt Ion: 75 Resp: 138537

Ion Ratio Lower Upper

75 100

77 32.7 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

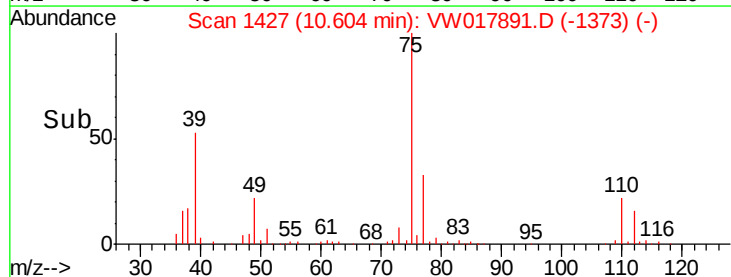
60000

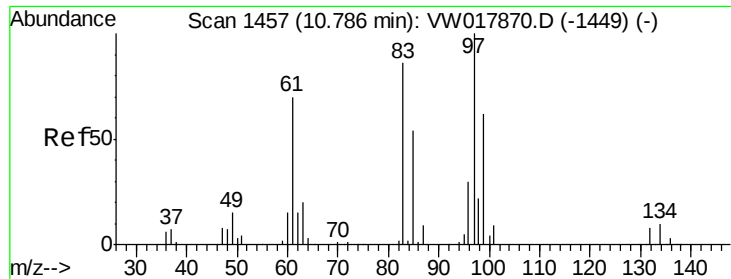
40000

20000

0

Time--> 10.50 10.60 10.70





#46

1,1,2-Trichloroethane

Concen: 26.677 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 79263

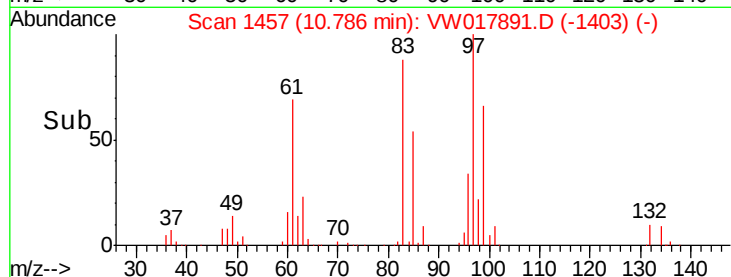
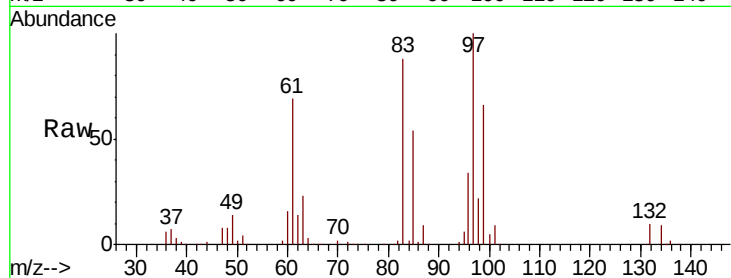
Ion Ratio Lower Upper

97 100

83 88.3 58.9 109.5

85 54.1 37.1 68.9

99 66.3 42.7 79.3



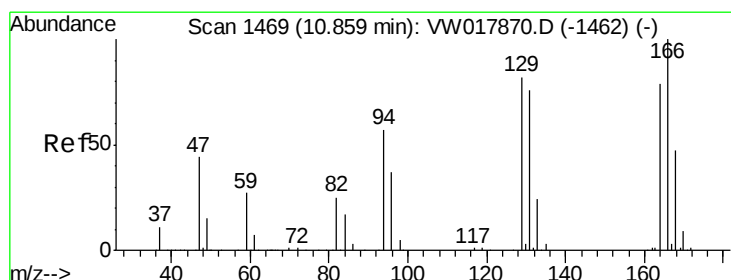
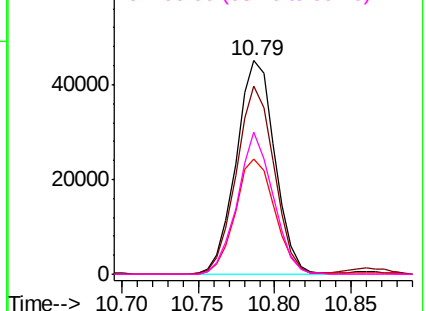
Abundance

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: 23.423 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Tgt Ion: 164 Resp: 85831

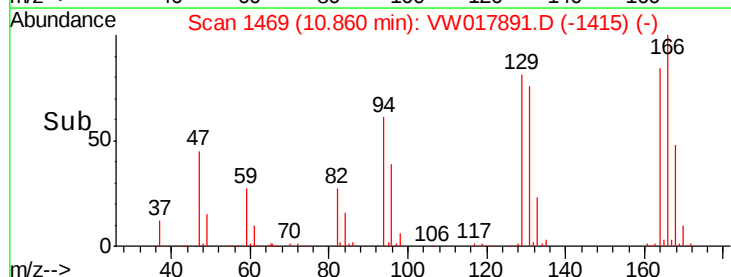
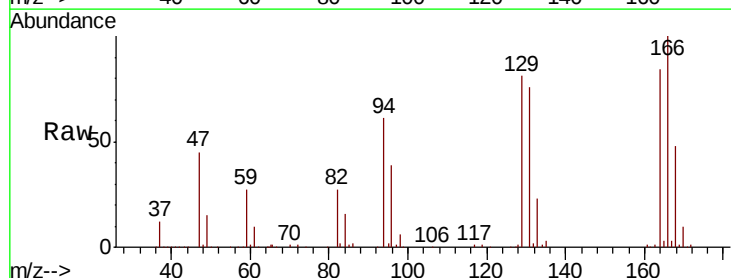
Ion Ratio Lower Upper

164 100

129 95.6 62.9 116.9

131 90.5 63.8 118.6

166 118.4 87.4 162.2



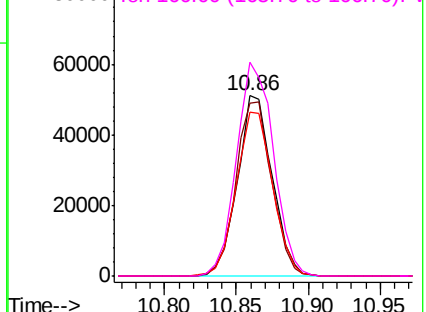
Abundance

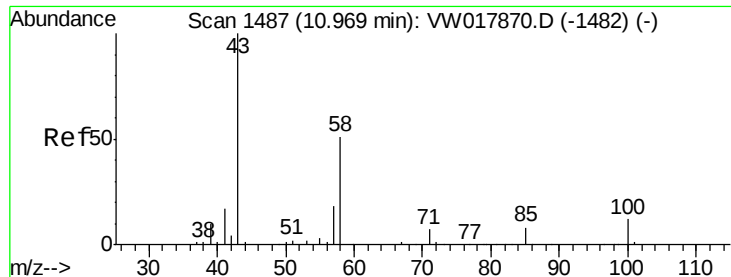
Ion 164.00 (163.70 to 164.70): V

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: 55.671 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 76706

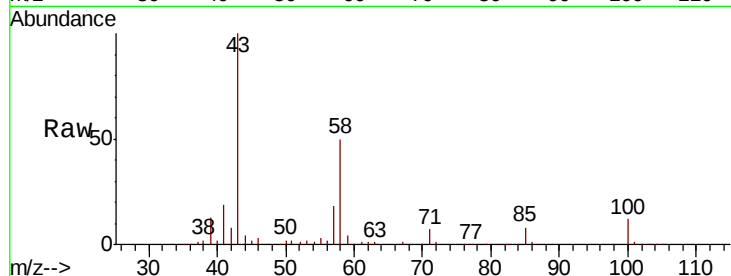
Ion Ratio Lower Upper

43 100

58 48.8 44.2 66.4

57 18.6 16.1 24.1

100 12.6 11.0 16.4

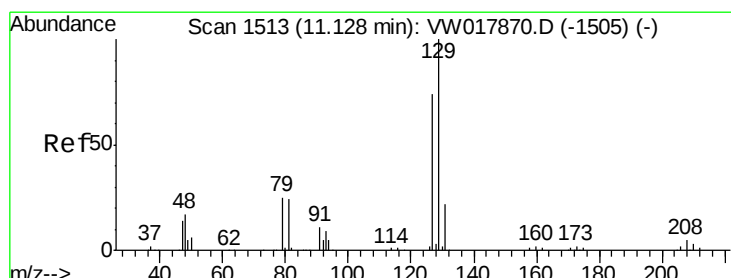
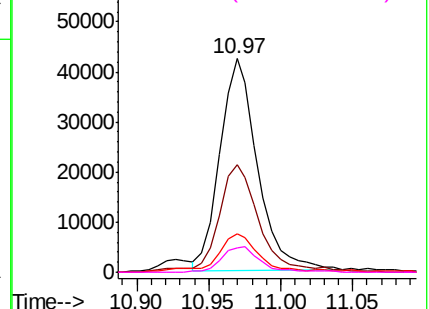
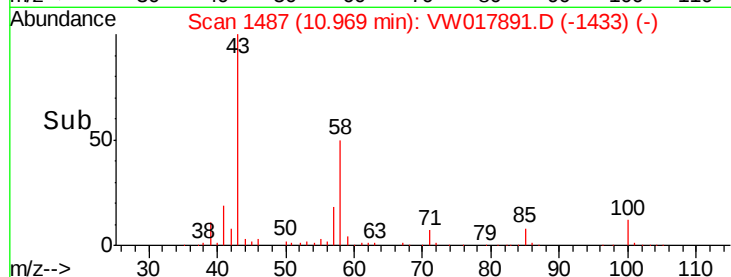


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.529 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017891.D

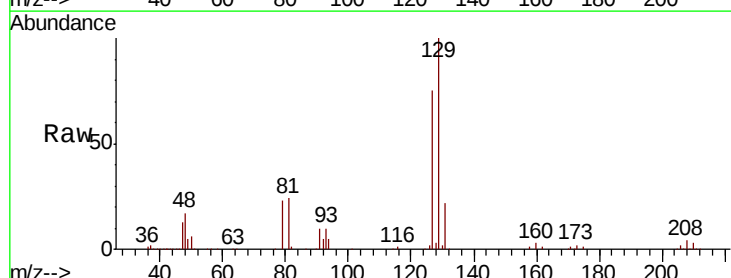
Acq: 14 Jan 2021 19:36

Tgt Ion: 129 Resp: 93579

Ion Ratio Lower Upper

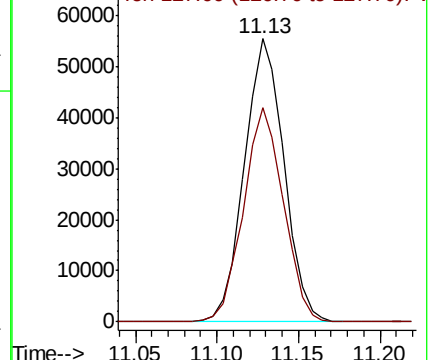
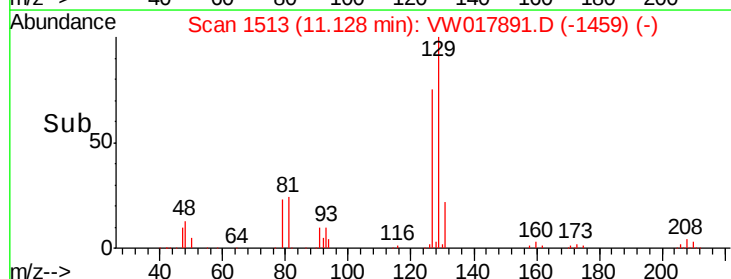
129 100

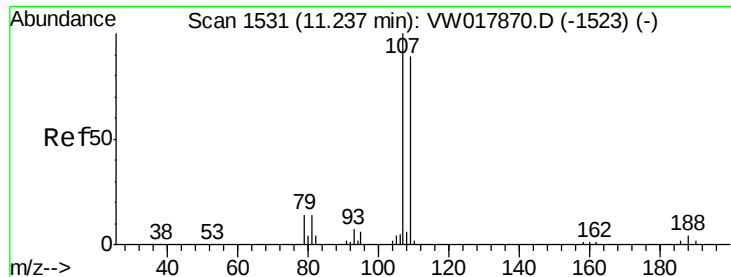
127 75.5 56.1 104.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

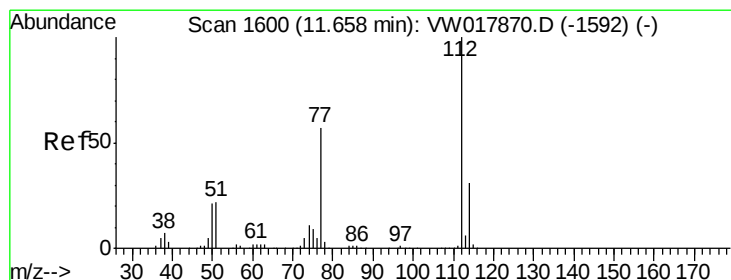
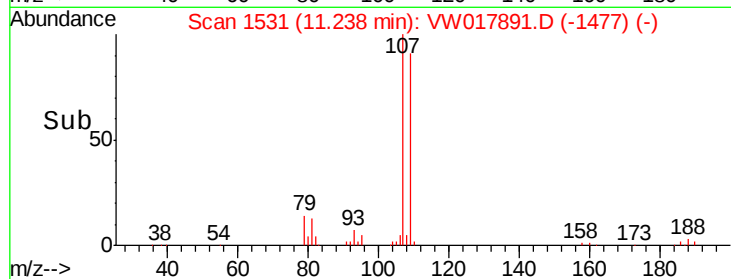
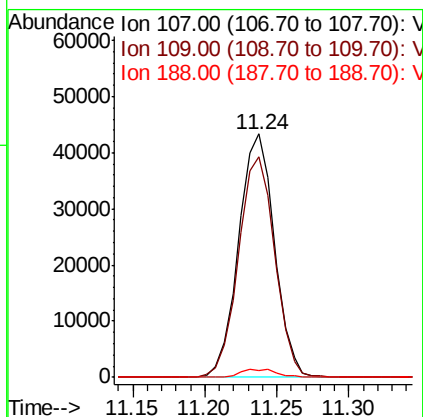
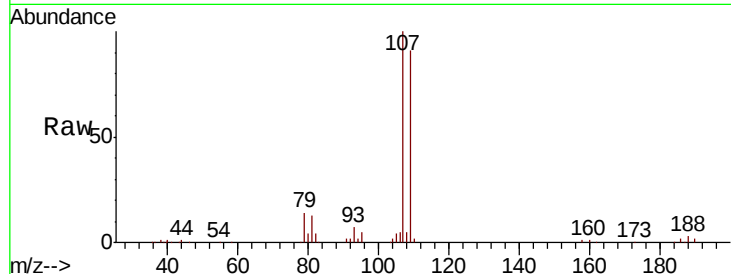




#51
 1,2-Dibromoethane
 Concen: 26.601 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW017891.D
 Acq: 14 Jan 2021 19:36

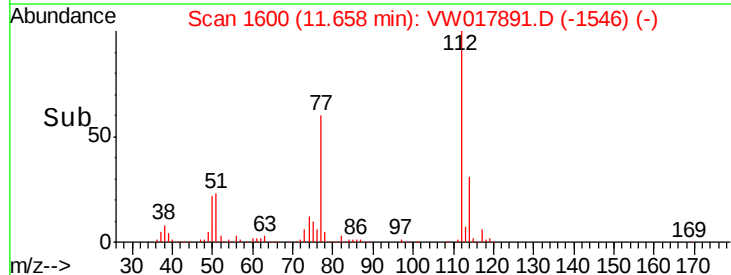
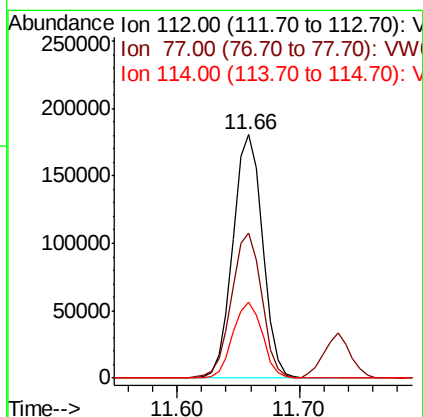
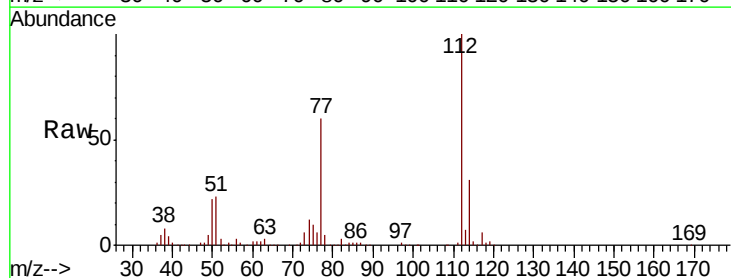
Instrument :
 MSVOA_W
 ClientSampled :

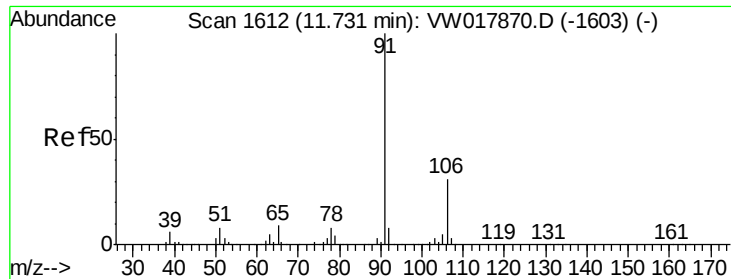
Tot Ion	107	Resp	74827
Ion Ratio	Lower	Upper	
107	100		
109	90.8	68.5	127.1
188	3.0	2.7	4.1



#52
 Chlorobenzene
 Concen: 25.012 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017891.D
 Acq: 14 Jan 2021 19:36

Tgt Ion	112	Resp	301473
Ion Ratio	Lower	Upper	
112	100		
77	59.7	43.4	65.2
114	31.3	21.6	40.2

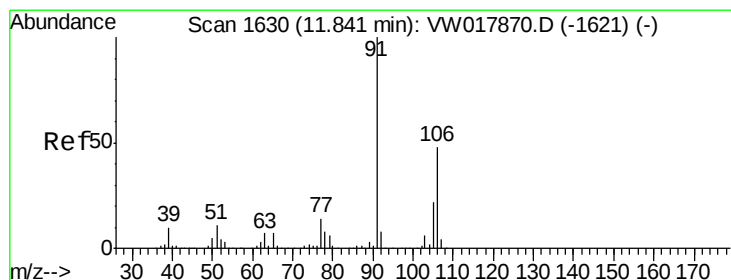
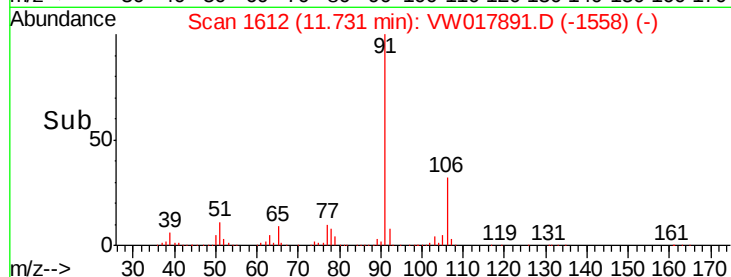
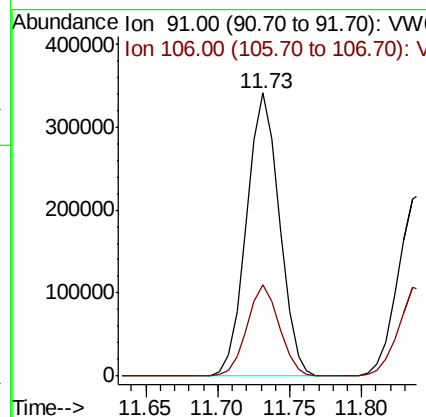
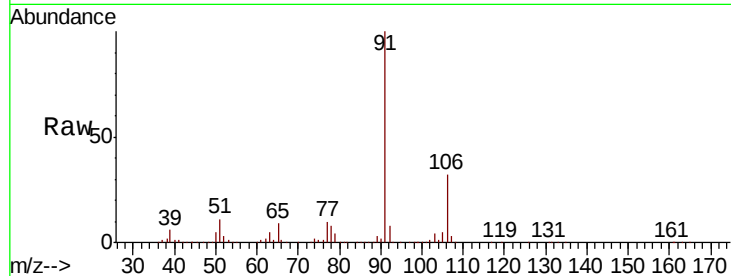




#53
Ethylbenzene
Concen: 24.607 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017891.D
Acq: 14 Jan 2021 19:36

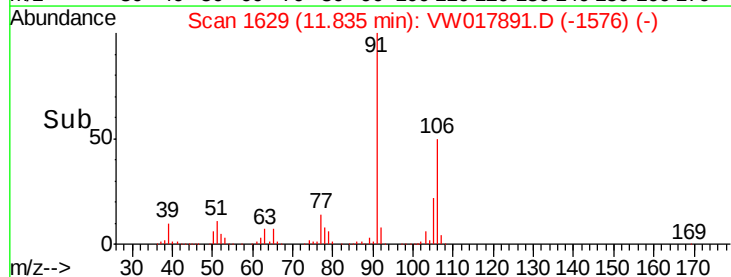
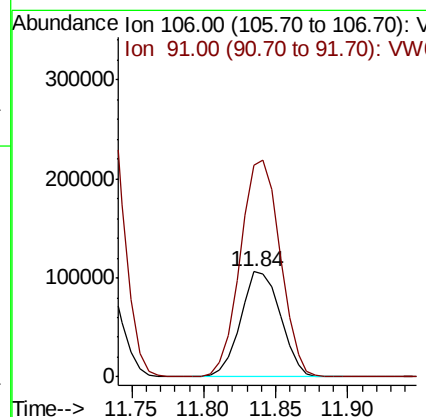
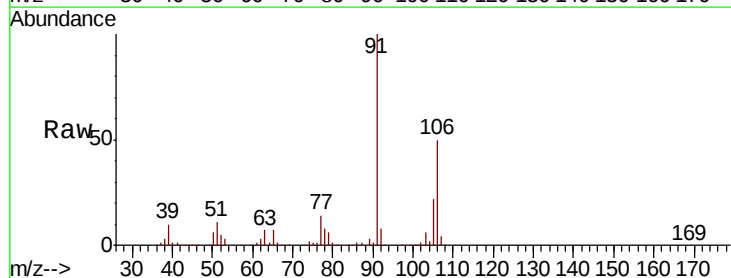
Instrument :
MSVOA_W
ClientSampled :

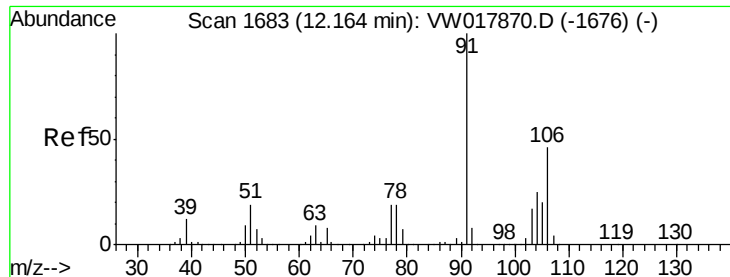
Tot Ion: 91 Resp: 539093
Ion Ratio Lower Upper
91 100
106 32.4 22.0 41.0



#54
m,p-Xylene
Concen: 23.906 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW017891.D
Acq: 14 Jan 2021 19:36

Tgt Ion: 106 Resp: 204877
Ion Ratio Lower Upper
106 100
91 200.5 141.6 263.0





#55

o-xylene

Concen: 24.661 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Instrument :

MSVOA_W

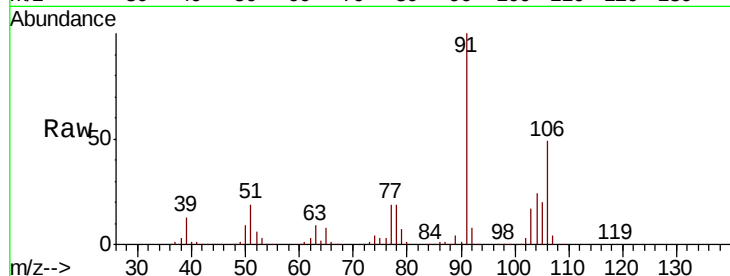
ClientSampled :

Tot Ion:106 Resp: 198760

Ion Ratio Lower Upper

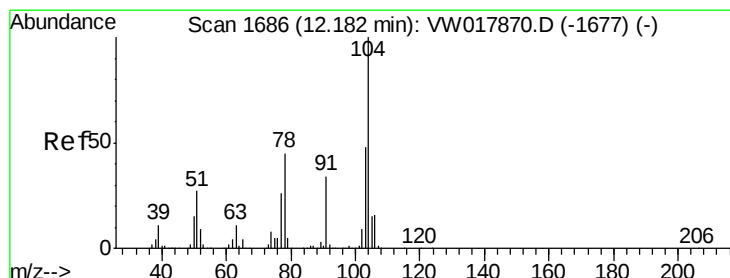
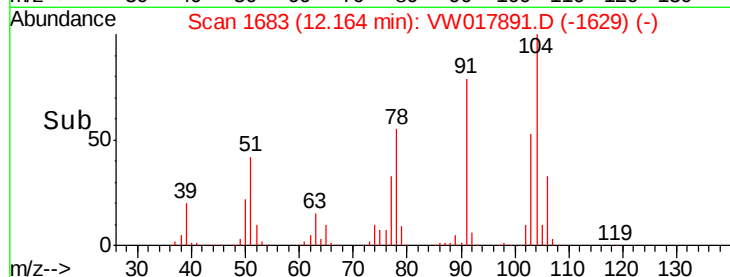
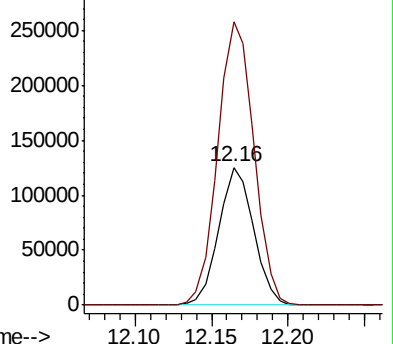
106 100

91 205.9 145.7 270.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.391 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW017891.D

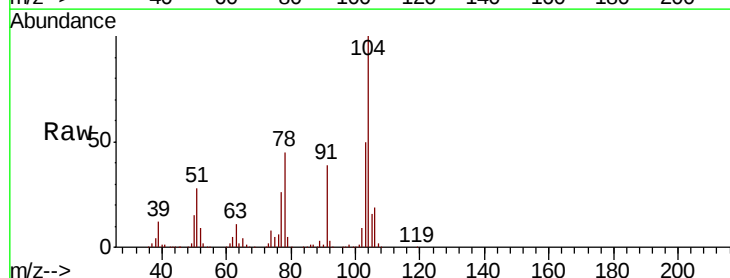
Acq: 14 Jan 2021 19:36

Tgt Ion:104 Resp: 340401

Ion Ratio Lower Upper

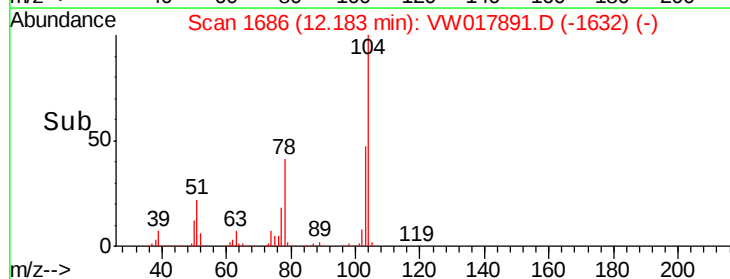
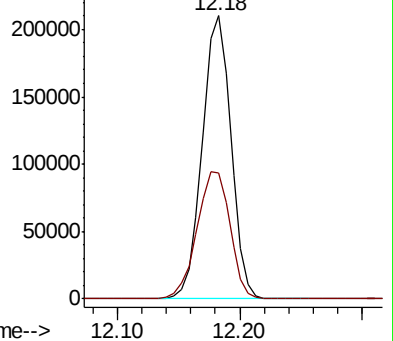
104 100

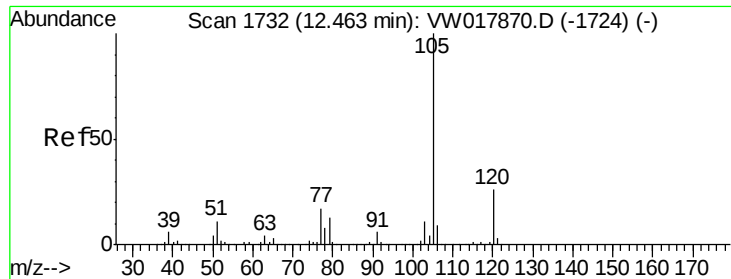
78 44.6 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.711 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Instrument :

MSVOA_W

ClientSampled :

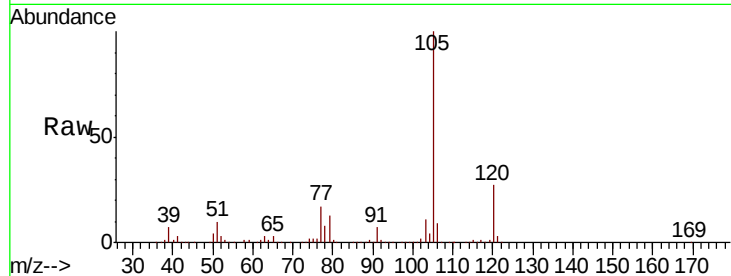
Tot Ion:105 Resp: 551374

Ion Ratio Lower Upper

105 100

120 25.6 21.4 32.2

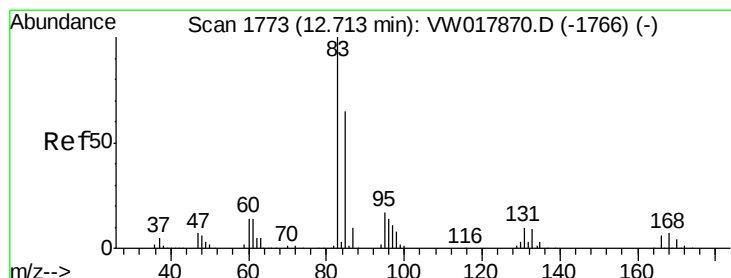
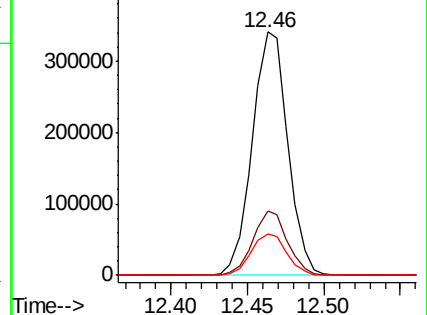
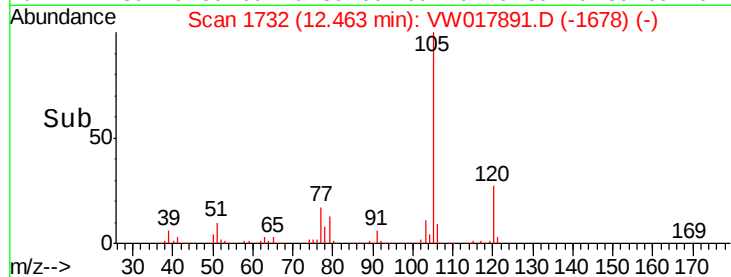
77 17.1 12.7 19.1



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: 27.565 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

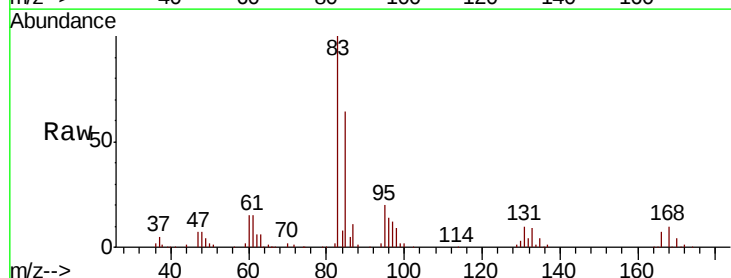
Tgt Ion: 83 Resp: 91413

Ion Ratio Lower Upper

83 100

85 63.6 45.6 84.8

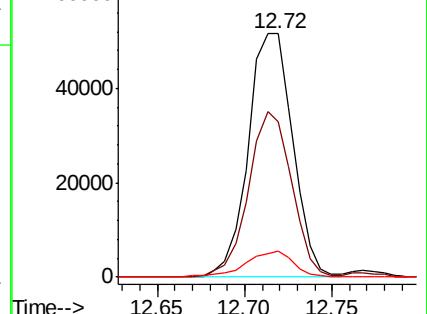
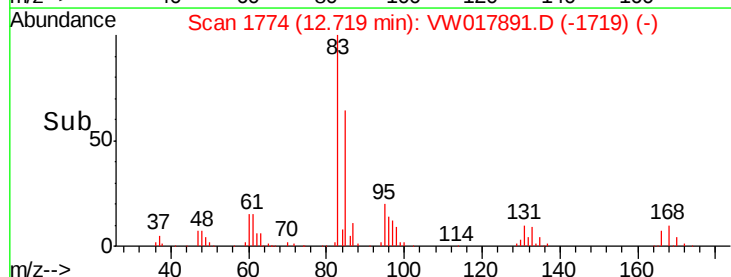
131 10.5 7.8 11.8

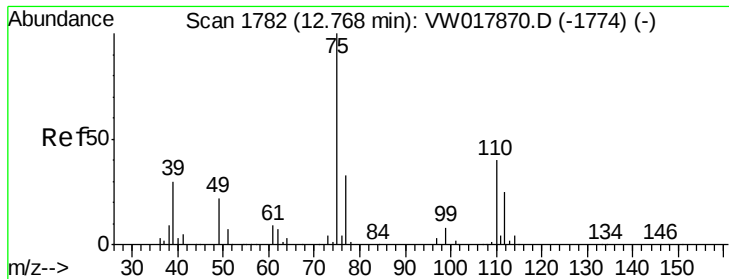


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.203 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Instrument :

MSVOA_W

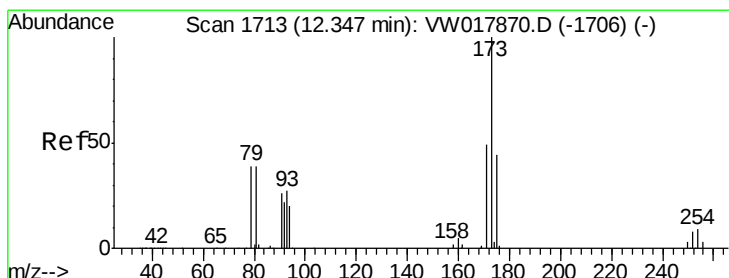
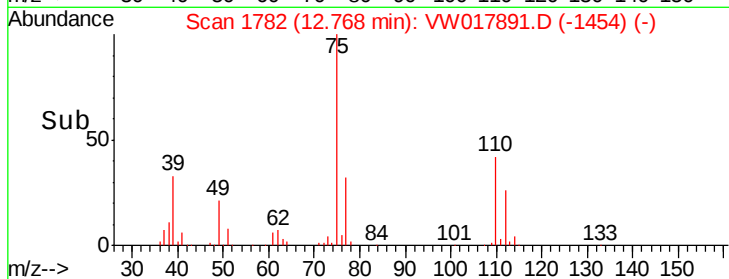
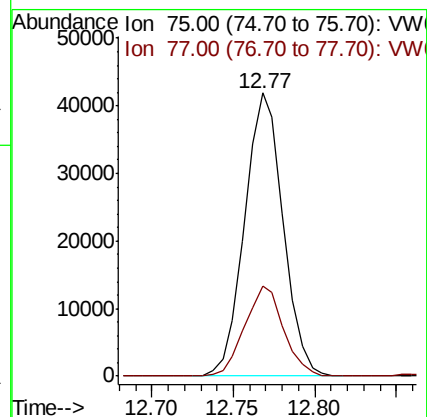
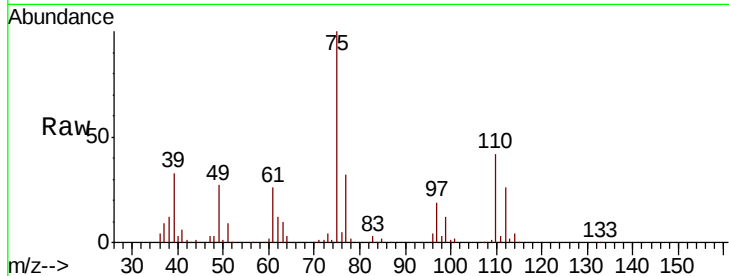
ClientSampleId :

Tot Ion: 75 Resp: 68753

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0



#62

Bromoform

Concen: 24.577 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

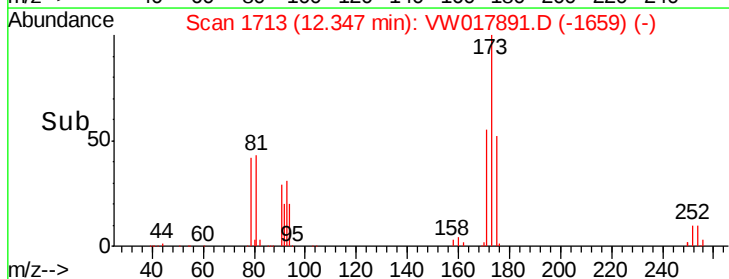
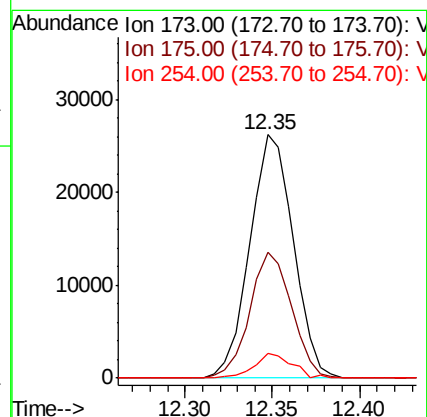
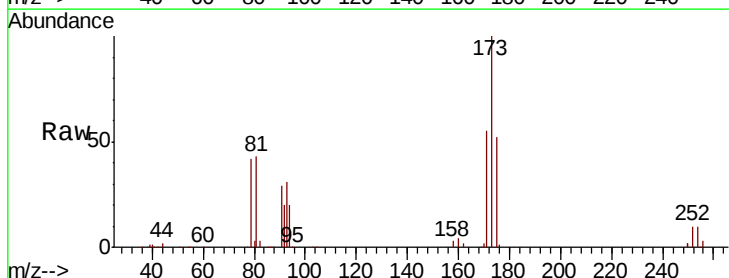
Tgt Ion: 173 Resp: 45320

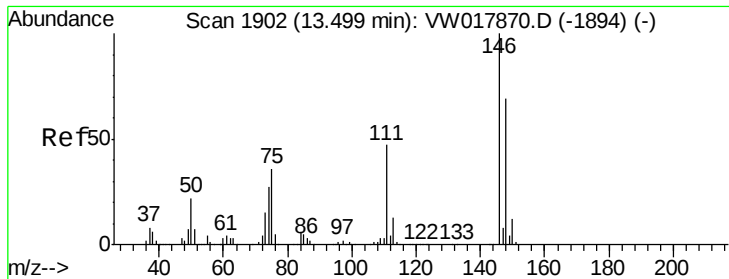
Ion Ratio Lower Upper

173 100

175 49.8 38.1 57.1

254 8.5 6.7 10.1

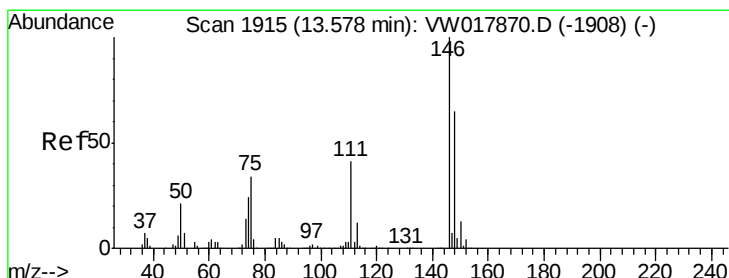
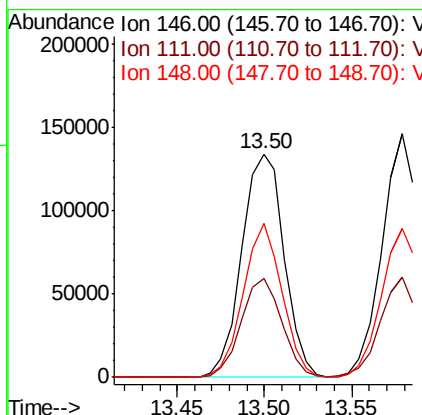
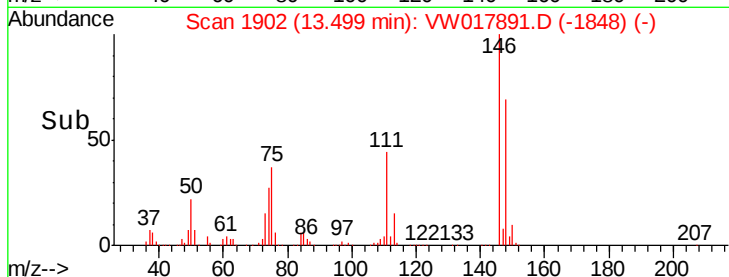
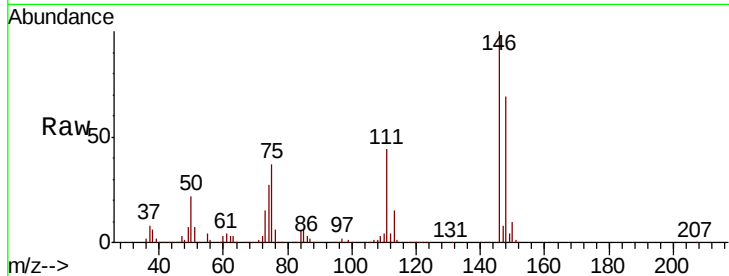




#63
 1,3-Dichlorobenzene
 Concen: 24.215 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017891.D
 Acq: 14 Jan 2021 19:36

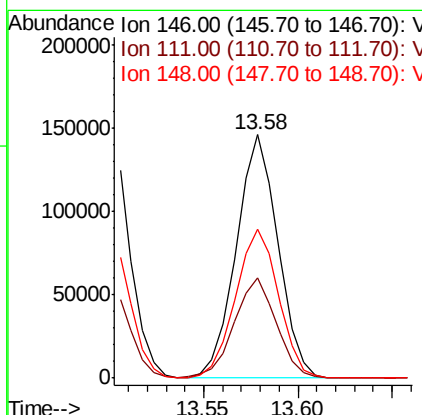
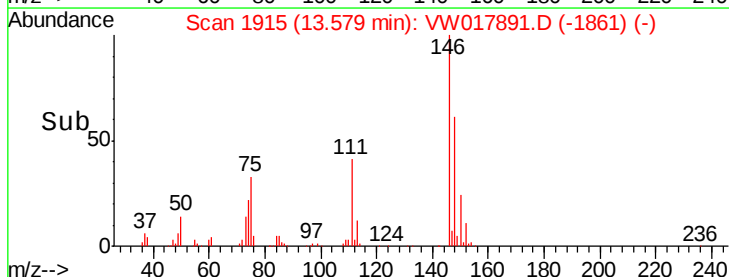
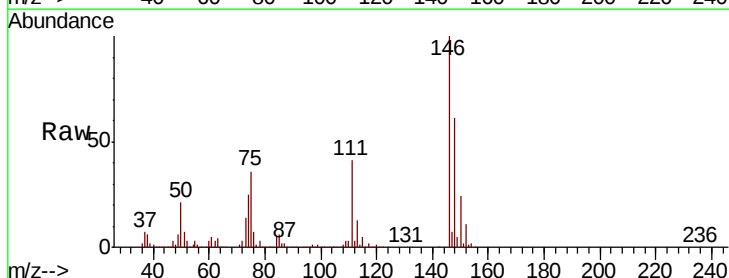
Instrument :
 MSVOA_W
 ClientSampleId :

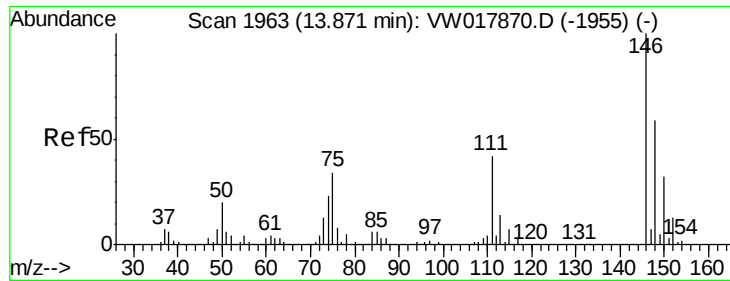
Tot Ion:146 Resp: 225250
 Ion Ratio Lower Upper
 146 100
 111 44.3 29.5 54.7
 148 68.8 47.7 88.5



#64
 1,4-Dichlorobenzene
 Concen: 23.969 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017891.D
 Acq: 14 Jan 2021 19:36

Tgt Ion:146 Resp: 224059
 Ion Ratio Lower Upper
 146 100
 111 41.3 27.7 51.5
 148 61.4 44.2 82.2

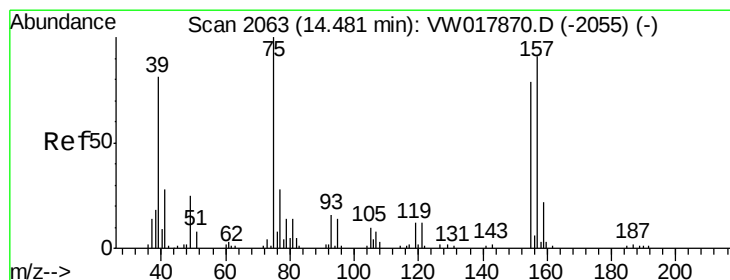
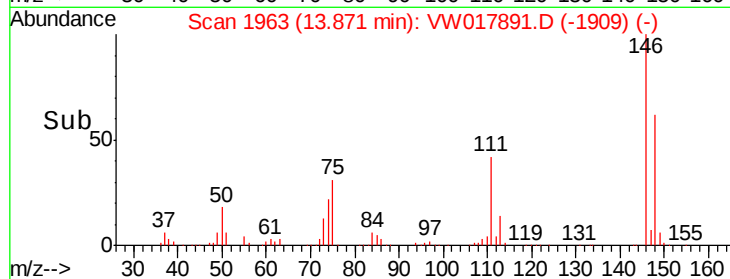
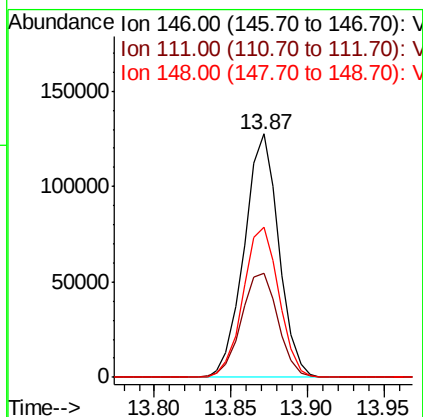
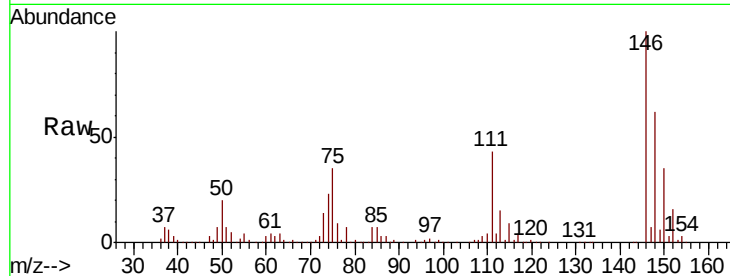




#65
 1,2-Dichlorobenzene
 Concen: 24.563 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017891.D
 Acq: 14 Jan 2021 19:36

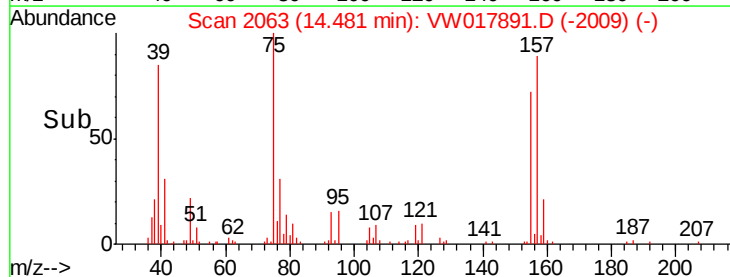
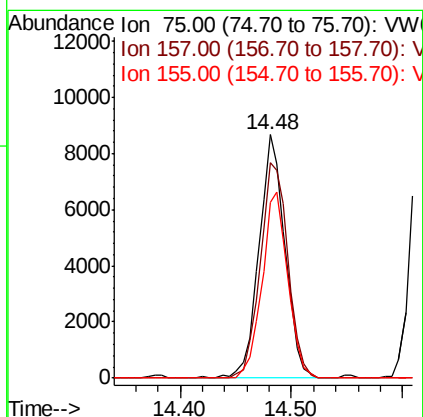
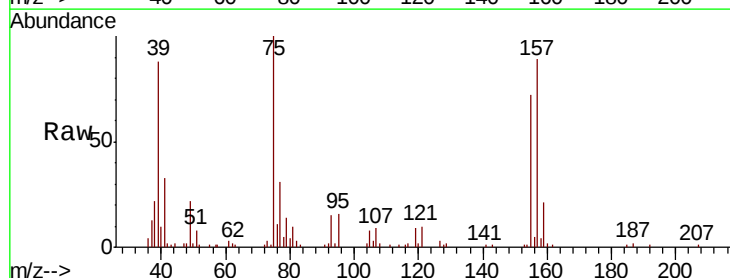
Instrument :
 MSVOA_W
 ClientSampled :

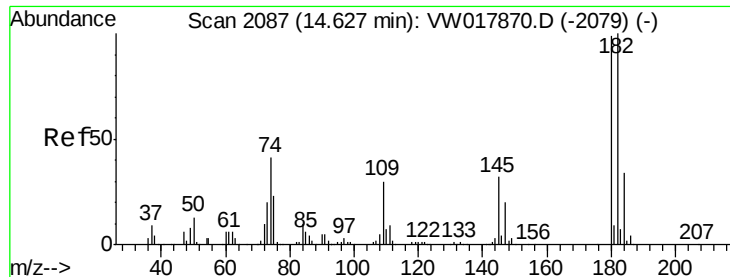
Tot Ion:146 Resp: 200760
 Ion Ratio Lower Upper
 146 100
 111 42.7 34.4 51.6
 148 61.9 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.190 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW017891.D
 Acq: 14 Jan 2021 19:36

Tgt Ion: 75 Resp: 14099
 Ion Ratio Lower Upper
 75 100
 157 88.6 70.2 105.4
 155 72.4 59.8 89.6

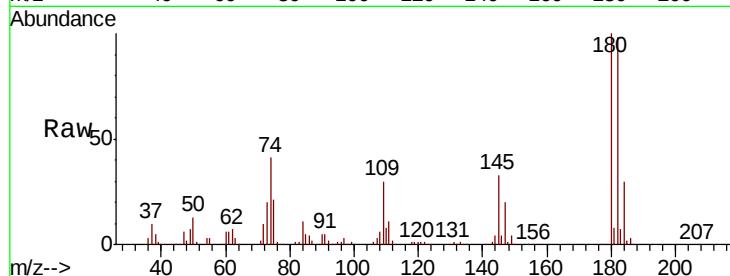




#67
 1,3,5-Trichlorobenzene
 Concen: 24.268 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017891.D
 Acq: 14 Jan 2021 19:36

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	76.2	114.2
184	29.4	23.6	35.4
145	32.8	25.2	37.8



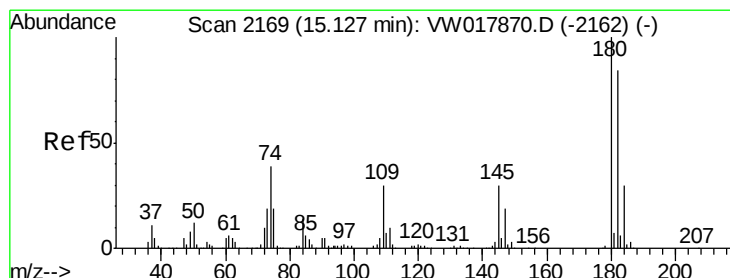
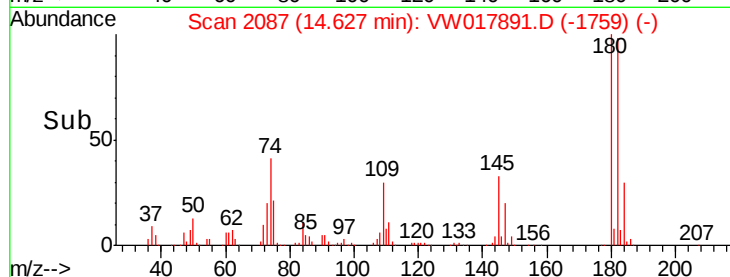
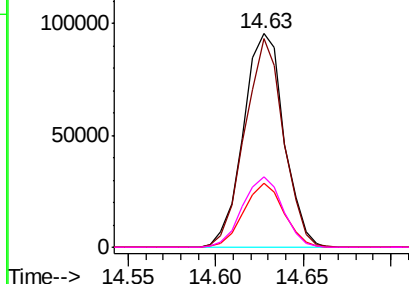
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

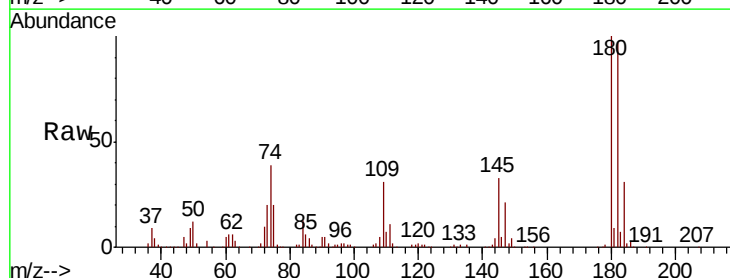
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.952 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.01 min
 Lab File: VW017891.D
 Acq: 14 Jan 2021 19:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	73.0	109.6
145	32.3	25.8	38.6

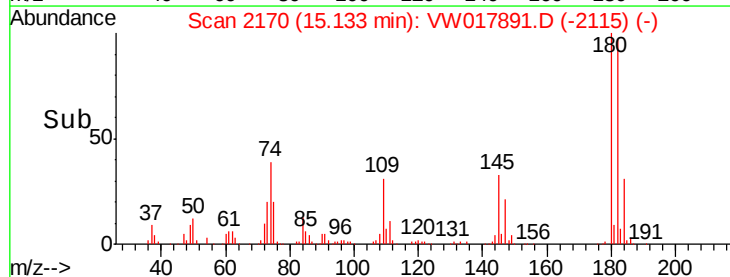
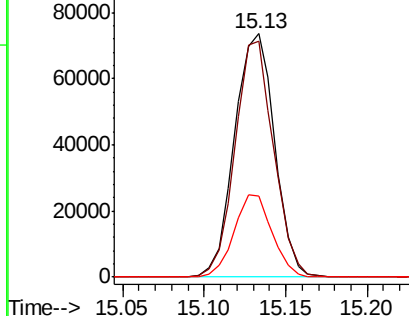


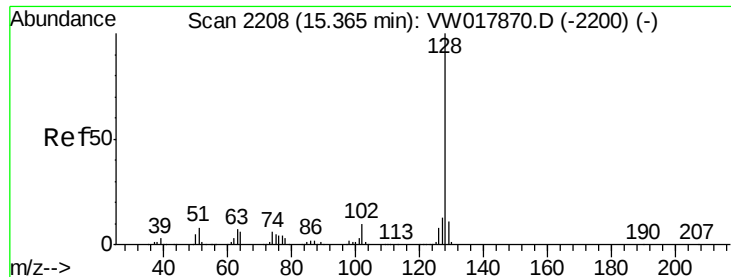
Abundance

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: 24.422 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

Instrument :

MSVOA_W

ClientSampleId :

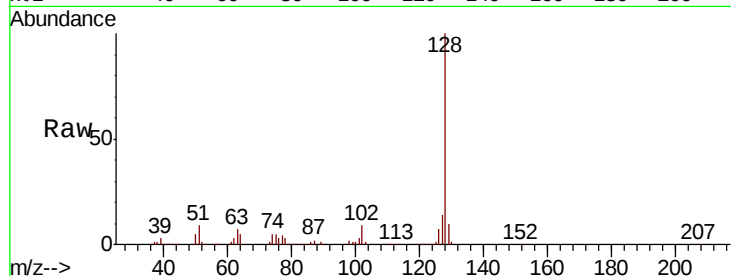
Tot Ion:128 Resp: 244117

Ion Ratio Lower Upper

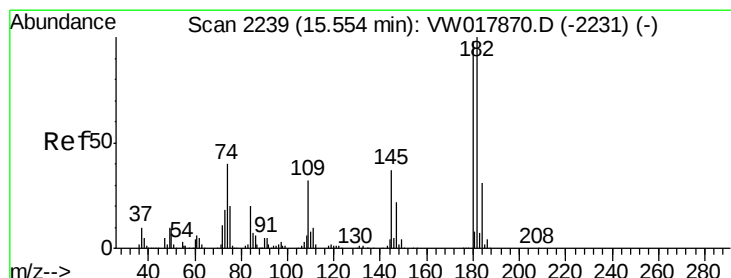
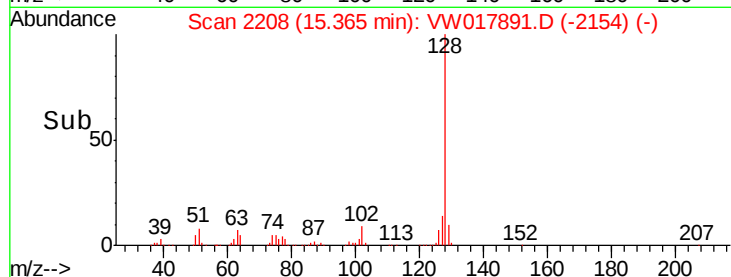
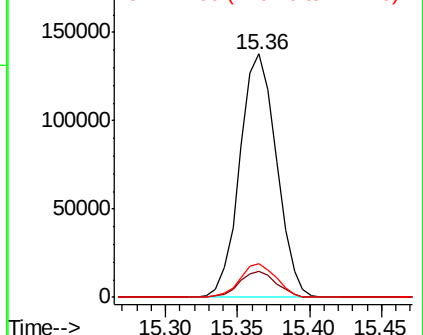
128 100

129 10.7 8.8 13.2

127 13.8 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: 24.135 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017891.D

Acq: 14 Jan 2021 19:36

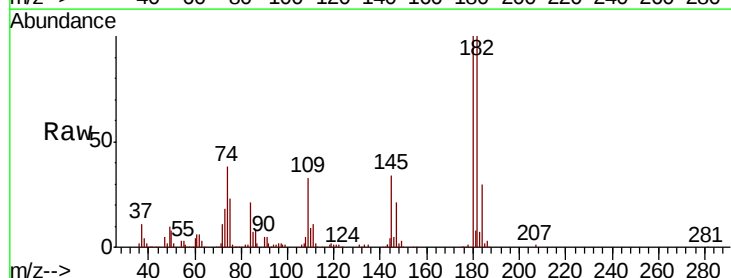
Tgt Ion:180 Resp: 106975

Ion Ratio Lower Upper

180 100

182 95.9 74.8 112.2

145 33.0 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

