

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011221\
 Data File : VW017827.D
 Acq On : 12 Jan 2021 10:14
 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 13 03:13:59 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	335970	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	303851	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	154500	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	121879	23.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.80%
7) Chloroethane-d5	2.89	69	108173	25.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.84%
10) 1,1-Dichloroethene-d2	4.03	63	229602	25.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.40%
20) 2-Butanone-d5	7.07	46	52666	62.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.02%
24) Chloroform-d	7.65	84	245047	27.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.64%
26) 1,2-Dichloroethane-d4	8.31	65	134074	29.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	118.00%
29) Benzene-d6	8.27	84	468125	27.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.40%
33) 1,2-Dichloropropane-d6	9.27	67	137409	29.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.48%
37) Toluene-d8	10.32	98	446180	27.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.56%
38) trans-1,3-Dichloropropene-	10.58	79	60348	28.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	114.80%
39) 2-Hexanone-d5	10.93	63	38606	65.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	106557	30.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	121.68%#
61) 1,2-Dichlorobenzene-d4	13.85	152	138575	25.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	70648	19.046	ug/L	98
3) Chloromethane	2.22	50	72759	22.068	ug/L	98
5) Vinyl chloride	2.37	62	129388	23.197	ug/L	96
6) Bromomethane	2.78	94	94395	22.822	ug/L	99
8) Chloroethane	2.93	64	86162	24.638	ug/L	99
9) Trichlorofluoromethane	3.27	101	93646	20.463	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	105293	24.652	ug/L	96
12) 1,1-Dichloroethene	4.05	96	98581	23.809	ug/L	95
13) Acetone	4.13	43	30656	42.136	ug/L	99
14) Carbon disulfide	4.39	76	282258	22.829	ug/L	98
15) Methyl Acetate	4.67	43	41010	29.083	ug/L	95
16) Methylene chloride	4.92	84	106013	22.066	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	137643	26.230	ug/L #	90
18) trans-1,2-Dichloroethene	5.43	96	109465	24.510	ug/L	96
19) 1,1-Dichloroethane	6.21	63	203812	26.711	ug/L	97
21) 2-Butanone	7.17	43	52738	53.890	ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	118314	25.211	ug/L	97

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

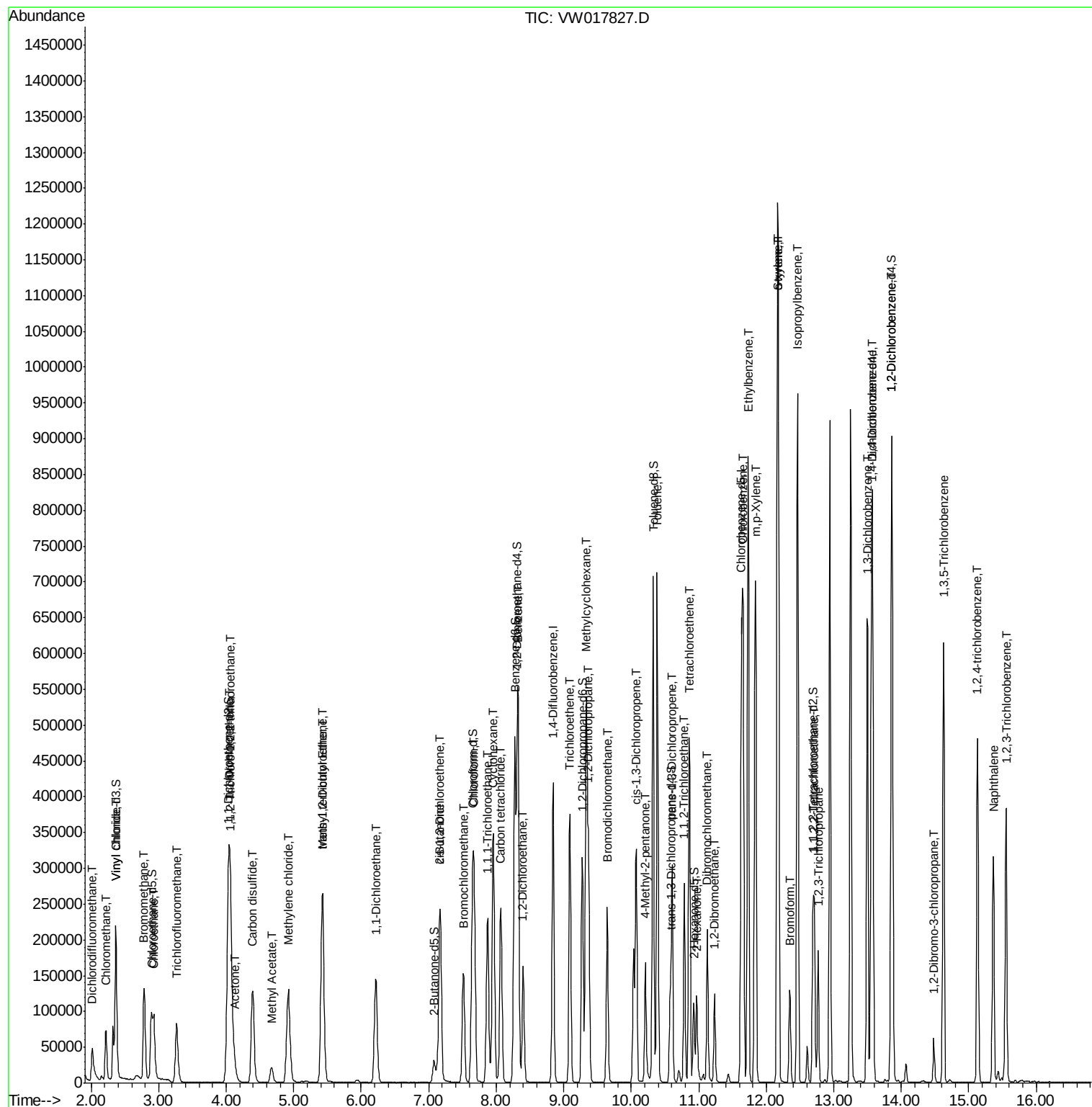
23) Bromochloromethane	7.51	128	50462	25.383	ug/L #	83
25) Chloroform	7.67	83	215111	26.793	ug/L	99
27) 1,2-Dichloroethane	8.40	62	145871	28.087	ug/L	96
30) Cyclohexane	7.96	56	187602	25.939	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	180769	25.863	ug/L	97
32) Carbon tetrachloride	8.07	117	172264	26.124	ug/L	98
34) Benzene	8.32	78	459978	26.476	ug/L	100
35) Trichloroethene	9.09	95	123962	25.778	ug/L	96
36) Methylcyclohexane	9.34	83	214320	25.494	ug/L	98
40) 1,2-Dichloropropane	9.37	63	113422	27.655	ug/L	100
41) Bromodichloromethane	9.65	83	156349	27.849	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	181724	27.766	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	119911	60.179	ug/L	97
44) Toluene	10.38	91	515509	26.022	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	156413	28.065	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	82775	27.152	ug/L	98
47) Tetrachloroethene	10.86	164	94651	25.175	ug/L	92
49) 2-Hexanone	10.97	43	79033	55.904	ug/L	99
50) Dibromochloromethane	11.13	129	102504	28.322	ug/L	92
51) 1,2-Dibromoethane	11.24	107	79905	27.686	ug/L	94
52) Chlorobenzene	11.66	112	322203	26.053	ug/L	95
53) Ethylbenzene	11.73	91	597588	26.586	ug/L	99
54) m,p-Xylene	11.84	106	224134	25.490	ug/L	95
55) o-xylene	12.16	106	211942	25.630	ug/L	92
56) Styrene	12.18	104	360263	26.191	ug/L	98
57) Isopropylbenzene	12.46	105	598351	26.136	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	96506	28.362	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	70338	28.121	ug/L	98
62) Bromoform	12.35	173	52041	27.529	ug/L	99
63) 1,3-Dichlorobenzene	13.49	146	244065	25.594	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	239987	25.043	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	219283	26.170	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	15546	28.169	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	169539	25.934	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	138361	25.713	ug/L	99
69) Naphthalene	15.36	128	264138	25.776	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	115787	25.481	ug/L	97

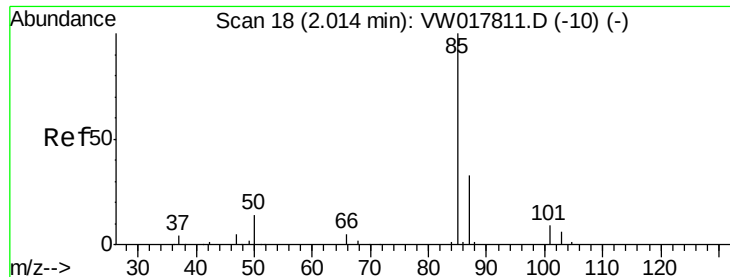
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.046 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

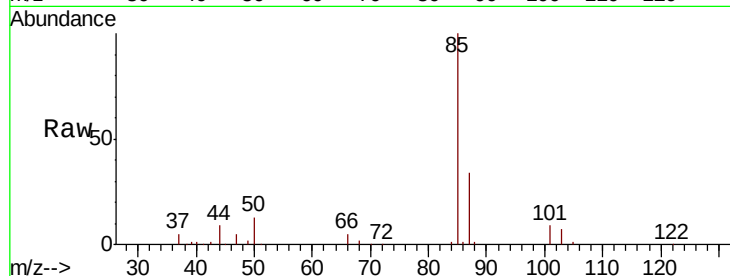
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 85 Resp: 70648

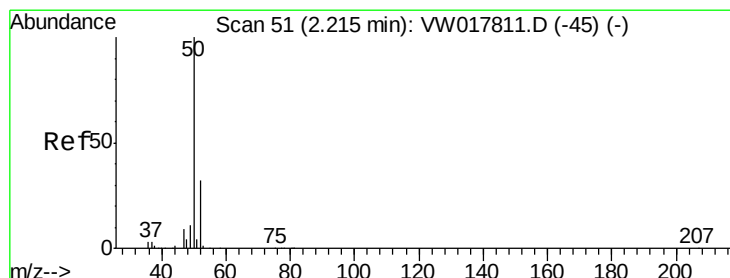
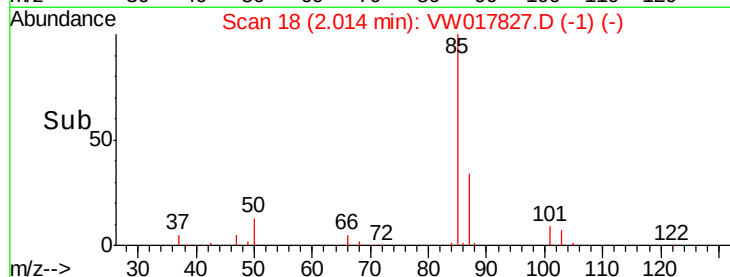
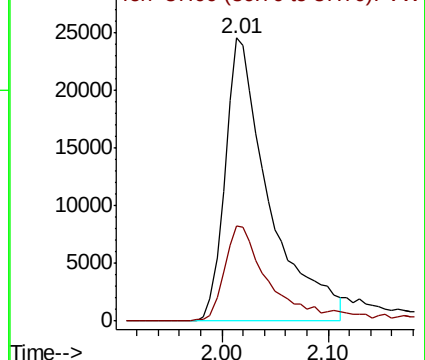
Ion Ratio Lower Upper

85 100

87 32.4 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: 22.068 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW017827.D

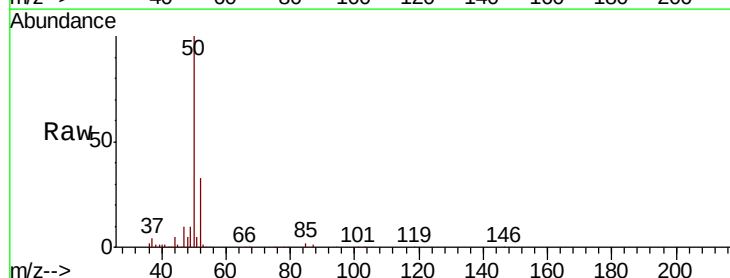
Acq: 12 Jan 2021 10:14

Tgt Ion: 50 Resp: 72759

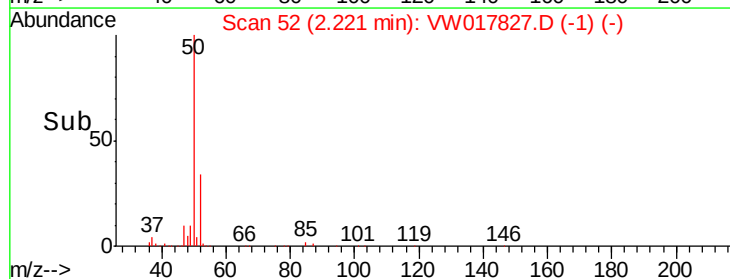
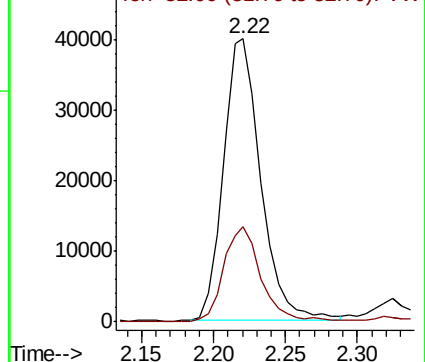
Ion Ratio Lower Upper

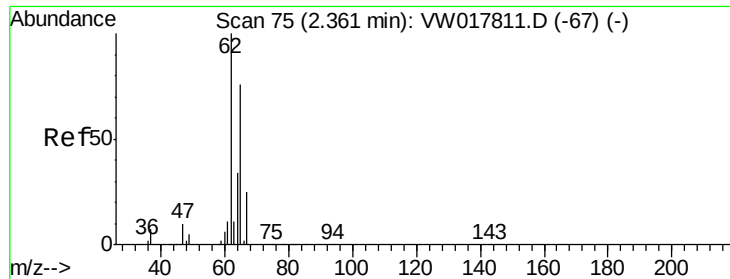
50 100

52 33.5 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: 23.197 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

Instrument :

MSVOA_W

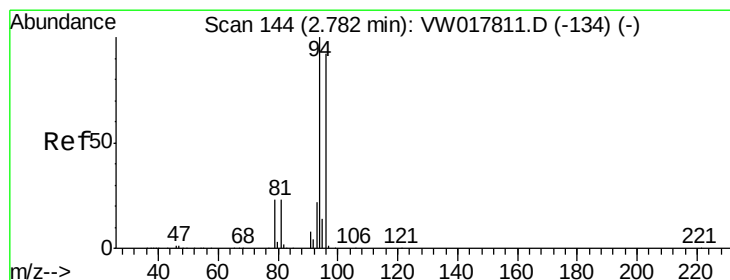
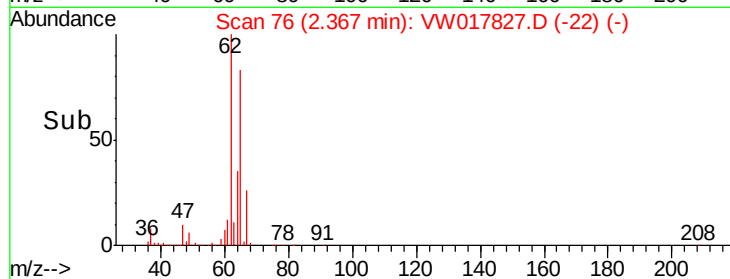
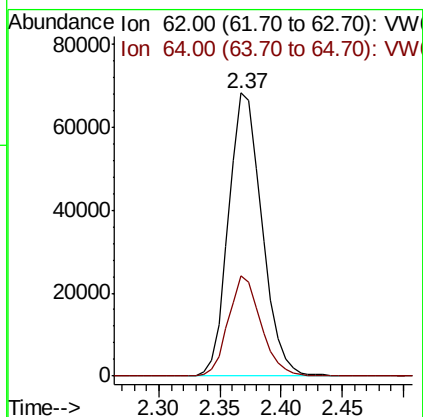
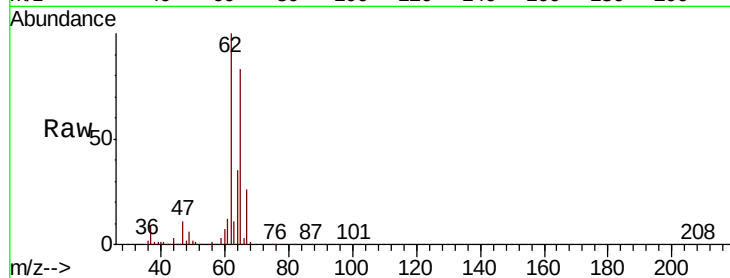
ClientSampleId :

Tot Ion: 62 Resp: 129388

Ion Ratio Lower Upper

62 100

64 35.3 23.3 43.3



#6

Bromomethane

Concen: 22.822 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017827.D

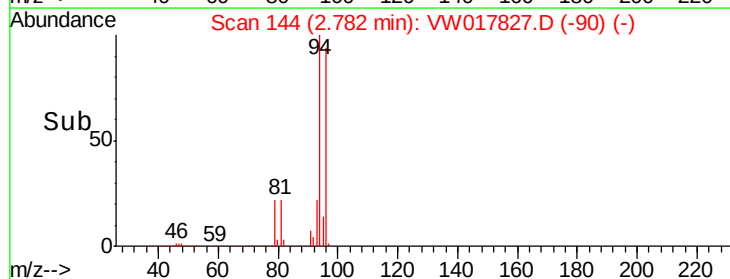
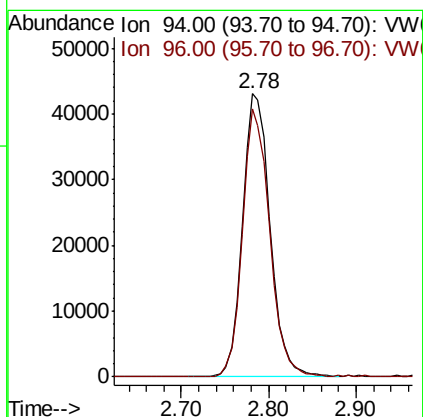
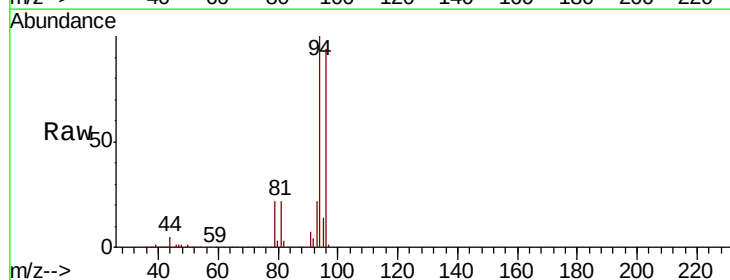
Acq: 12 Jan 2021 10:14

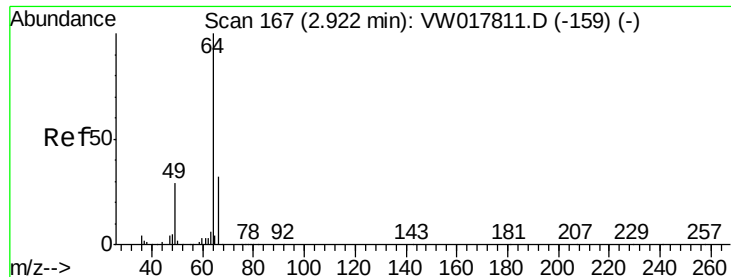
Tgt Ion: 94 Resp: 94395

Ion Ratio Lower Upper

94 100

96 92.9 9.4 178.6

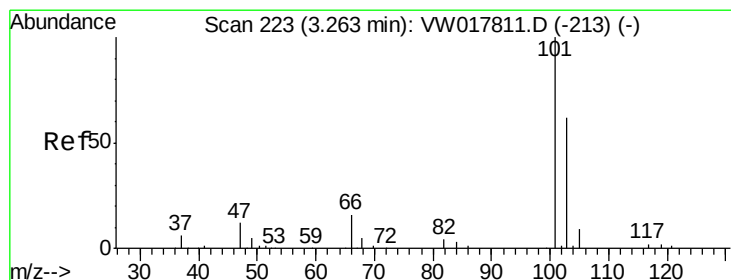
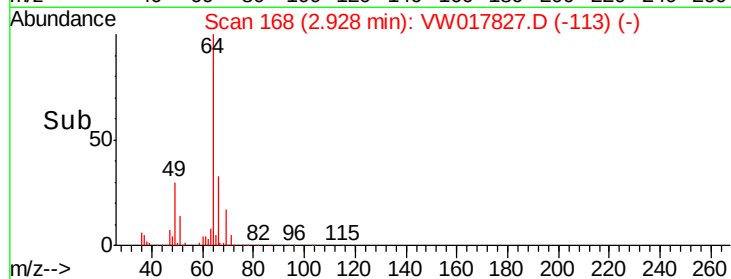
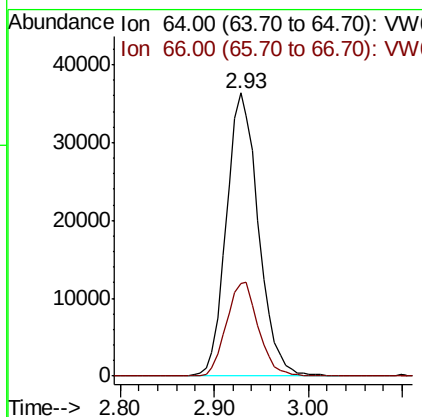
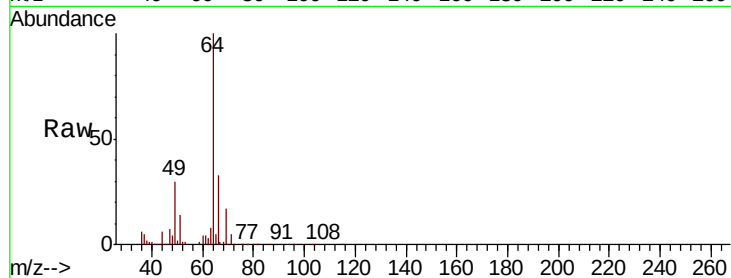




#8
Chloroethane
Concen: 24.638 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.01 min
Lab File: VW017827.D
Acq: 12 Jan 2021 10:14

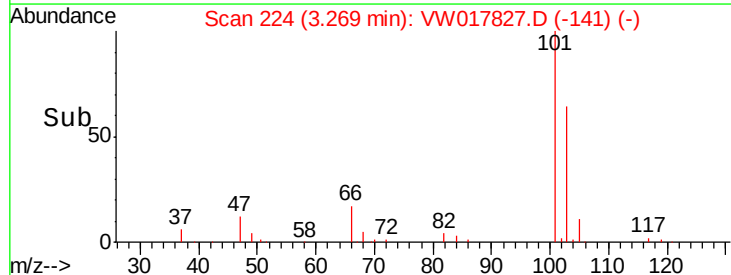
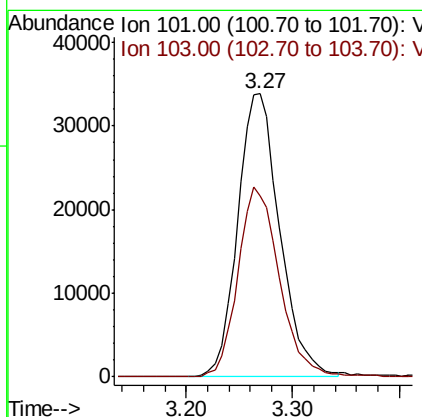
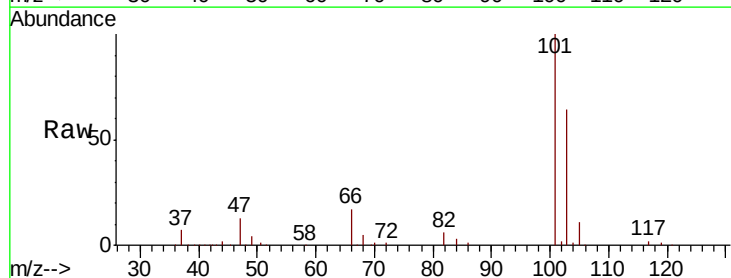
Instrument :
MSVOA_W
ClientSampled :

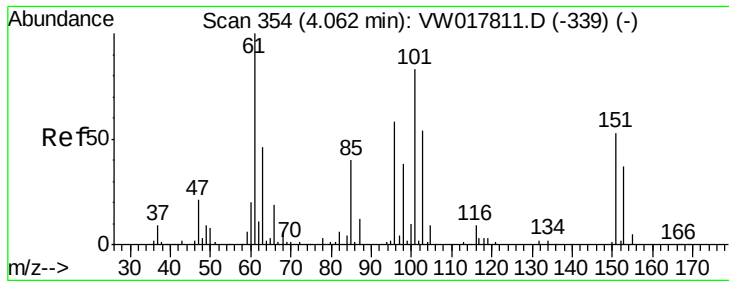
Tot Ion: 64 Resp: 86162
Ion Ratio Lower Upper
64 100
66 32.7 22.3 41.5



#9
Trichlorofluoromethane
Concen: 20.463 ug/L
RT: 3.27 min Scan# 224
Delta R.T. 0.01 min
Lab File: VW017827.D
Acq: 12 Jan 2021 10:14

Tgt Ion: 101 Resp: 93646
Ion Ratio Lower Upper
101 100
103 65.9 46.0 85.4





#11

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

Concen: 24.652 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW017827.D

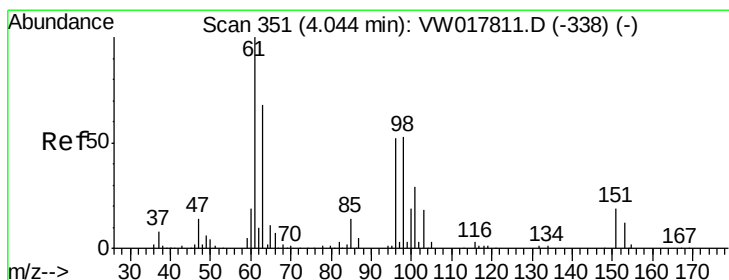
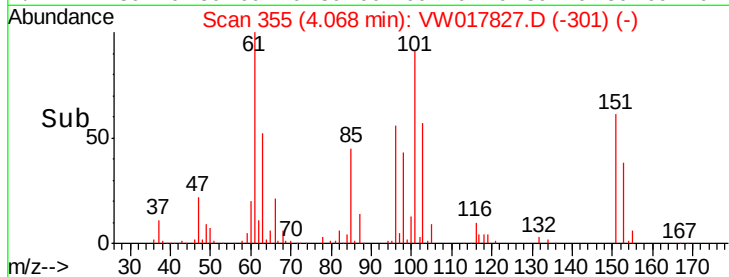
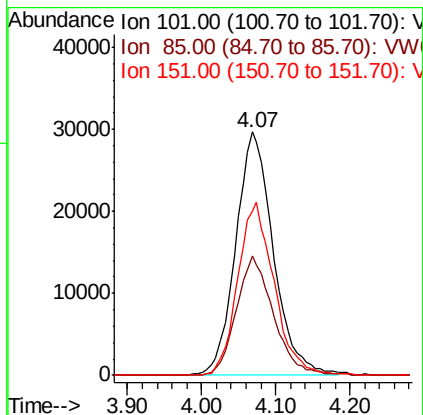
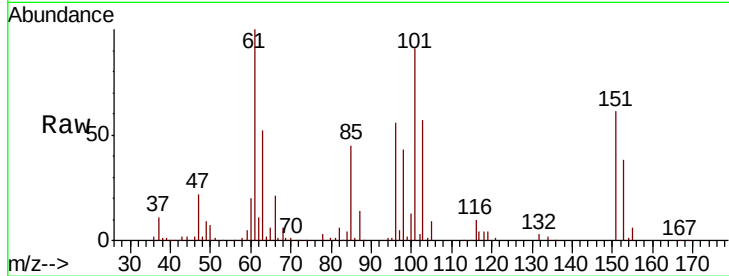
Acq: 12 Jan 2021 10:14

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	101	Resp:	105293
Ion	Ratio	Lower	Upper
101	100		
85	48.0	36.7	55.1
151	68.4	57.7	86.5



#12

1,1-Dichloroethene

Concen: 23.809 ug/L

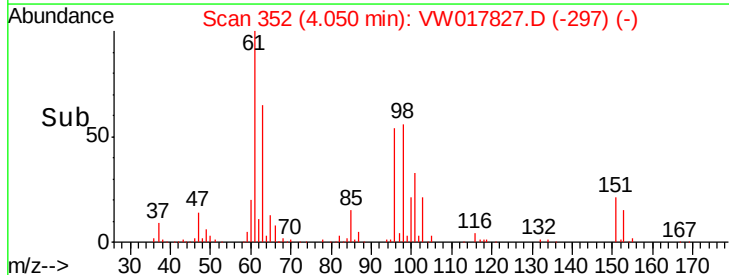
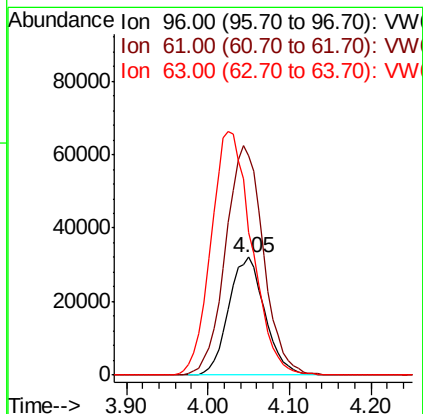
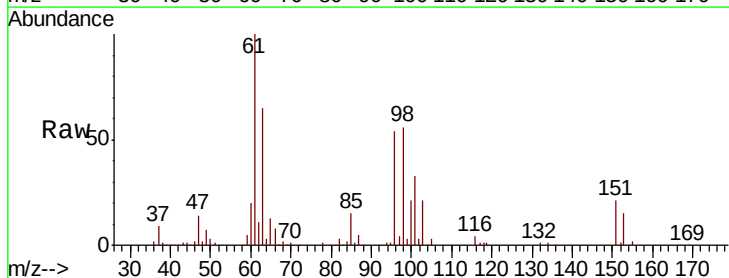
RT: 4.05 min Scan# 352

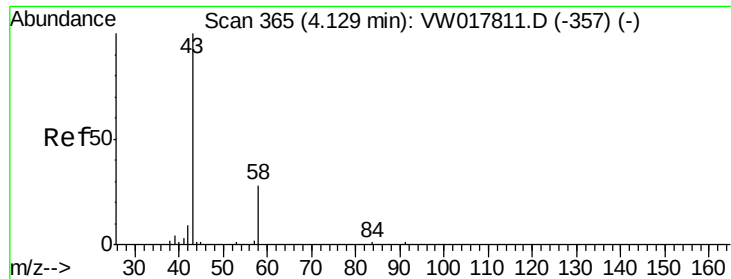
Delta R.T. 0.01 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

Tgt Ion:	96	Resp:	98581
Ion	Ratio	Lower	Upper
96	100		
61	186.7	126.1	234.1
63	121.5	90.0	167.2





#13

Acetone

Concen: 42.136 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

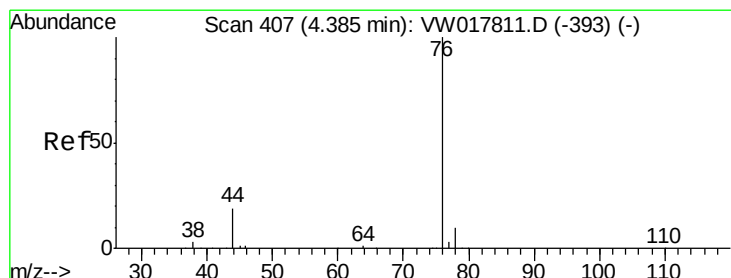
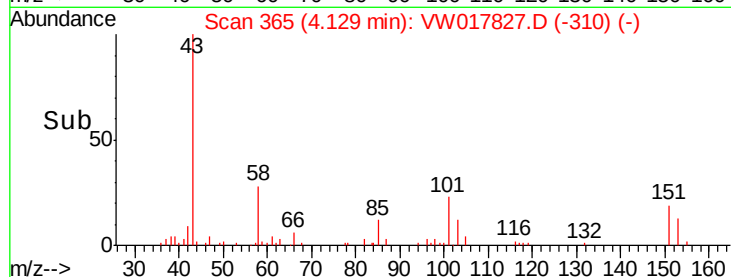
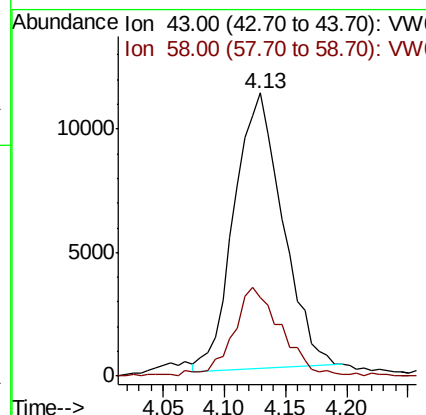
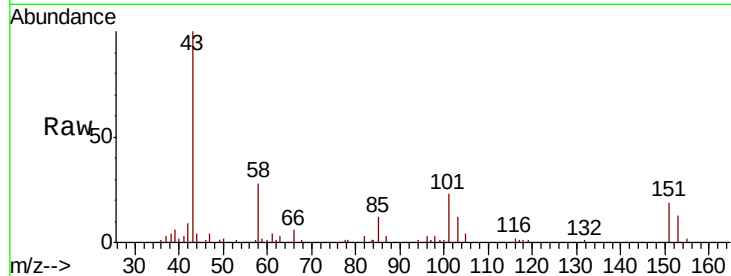
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 30656

Ion Ratio Lower Upper

43 100

58 30.9 0.0 60.8



#14

Carbon disulfide

Concen: 22.829 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017827.D

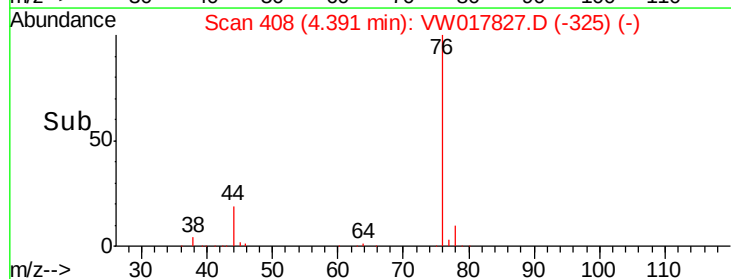
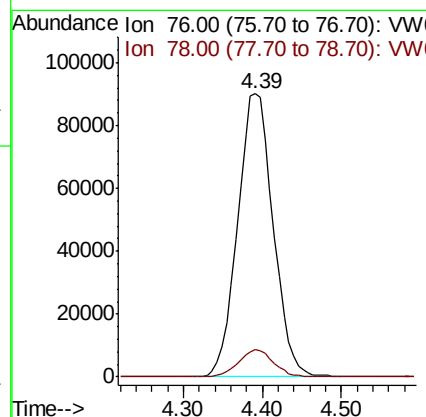
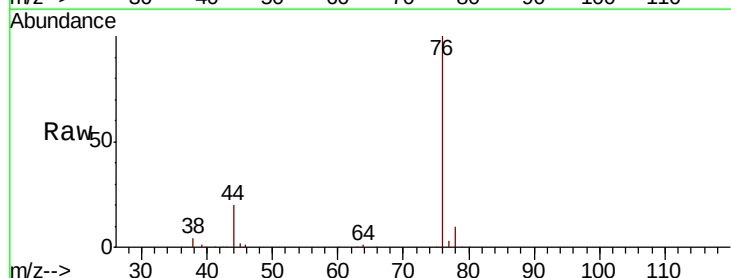
Acq: 12 Jan 2021 10:14

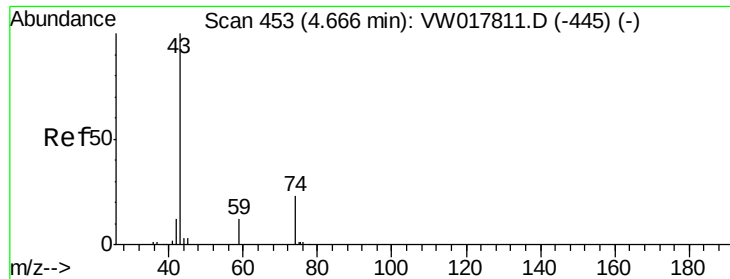
Tgt Ion: 76 Resp: 282258

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7





#15

Methyl Acetate

Concen: 29.083 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

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MSVOA_W

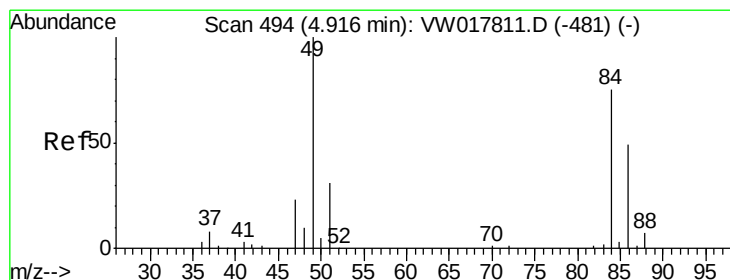
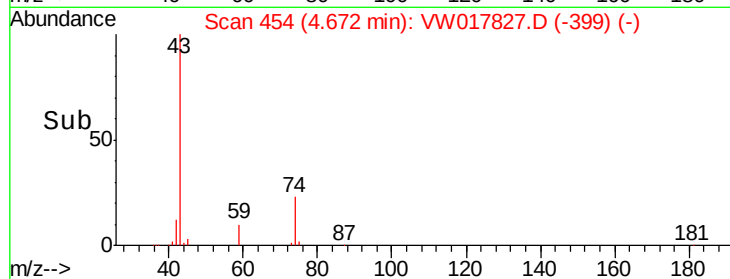
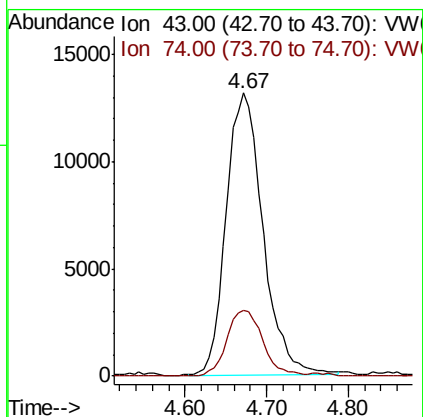
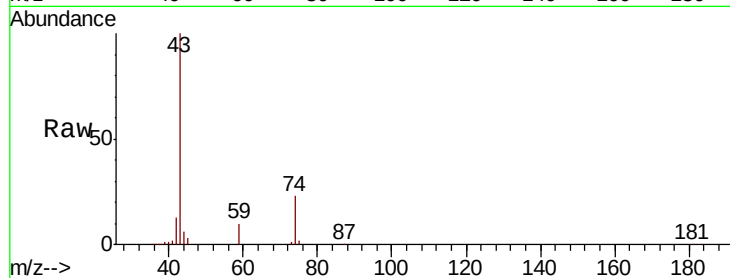
ClientSampled :

Tot Ion: 43 Resp: 41010

Ion Ratio Lower Upper

43 100

74 22.6 20.2 30.4



#16

Methylene chloride

Concen: 22.066 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

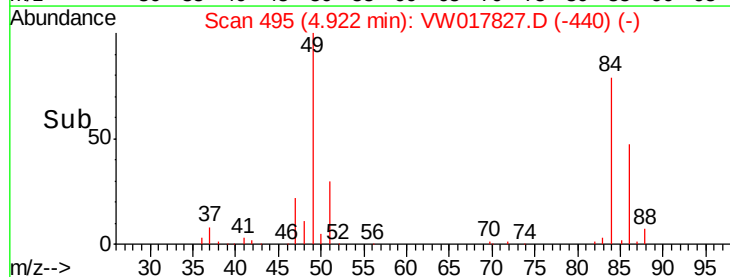
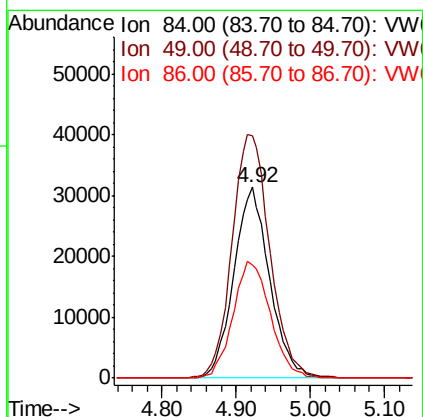
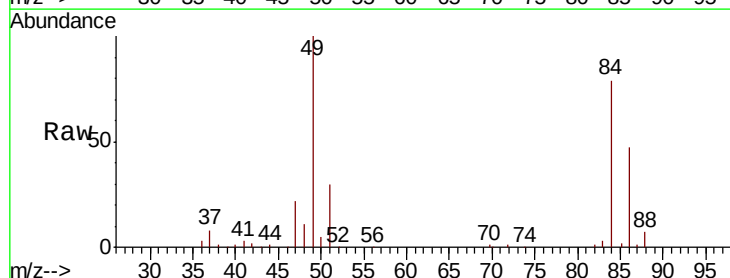
Tgt Ion: 84 Resp: 106013

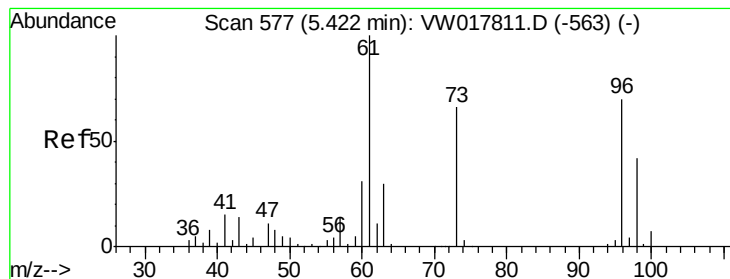
Ion Ratio Lower Upper

84 100

49 126.8 90.5 168.1

86 59.4 44.8 83.2



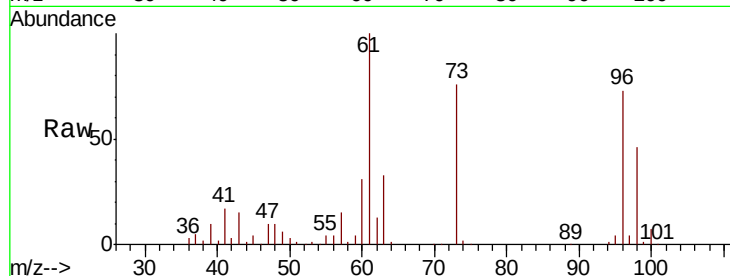


#17

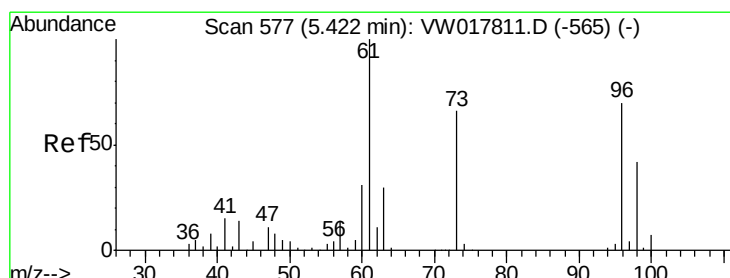
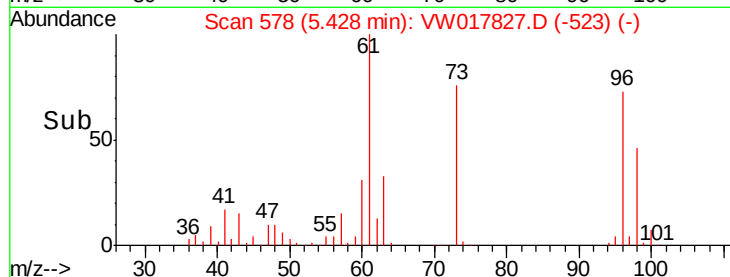
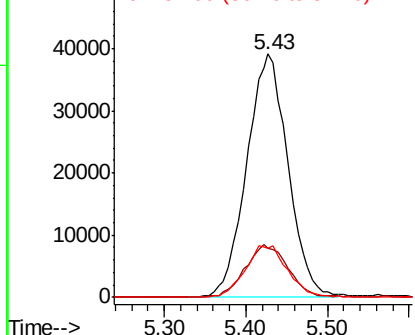
Methyl tert-butyl Ether
 Concen: 26.230 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW017827.D
 Acq: 12 Jan 2021 10:14

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 73 Resp: 137643
 Ion Ratio Lower Upper
 73 100
 43 22.3 17.1 25.7
 57 12.7 16.6 25.0#



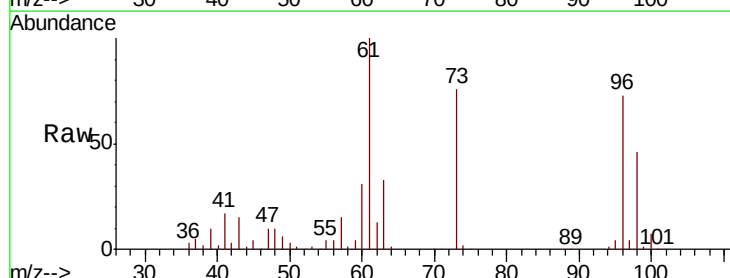
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



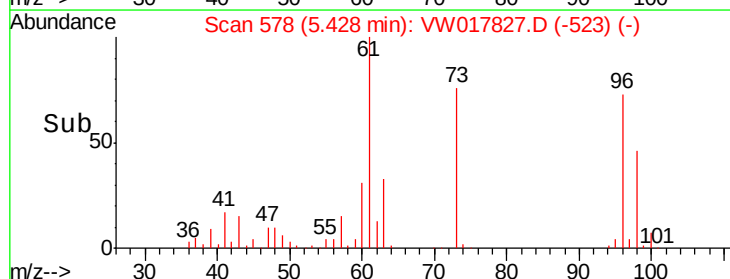
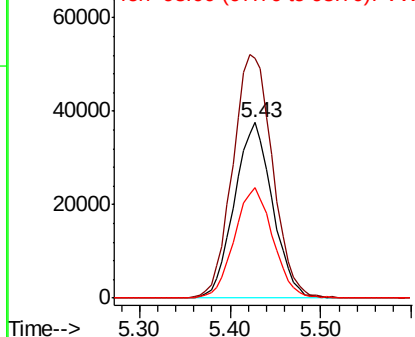
#18

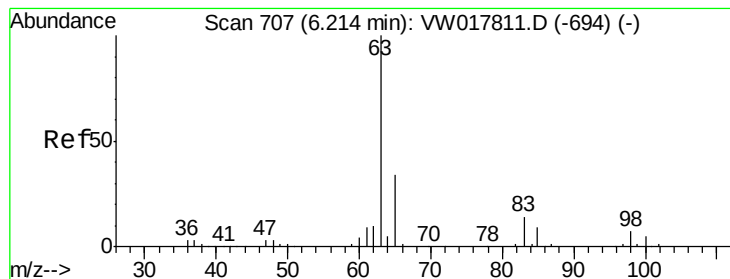
trans-1,2-Dichloroethene
 Concen: 24.510 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW017827.D
 Acq: 12 Jan 2021 10:14

Tgt Ion: 96 Resp: 109465
 Ion Ratio Lower Upper
 96 100
 61 136.5 99.5 184.9
 98 63.2 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: 26.711 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

Instrument :

MSVOA_W

ClientSampleId :

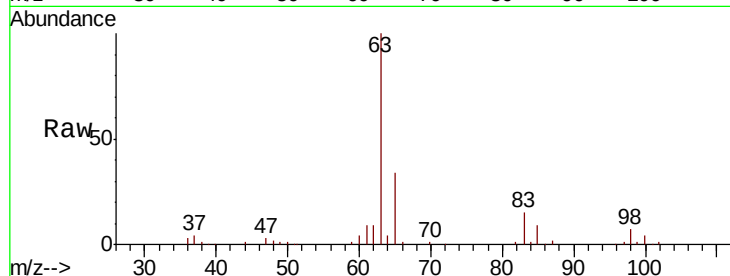
Tot Ion: 63 Resp: 203812

Ion Ratio Lower Upper

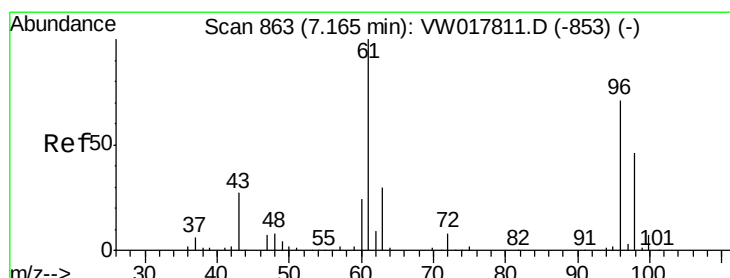
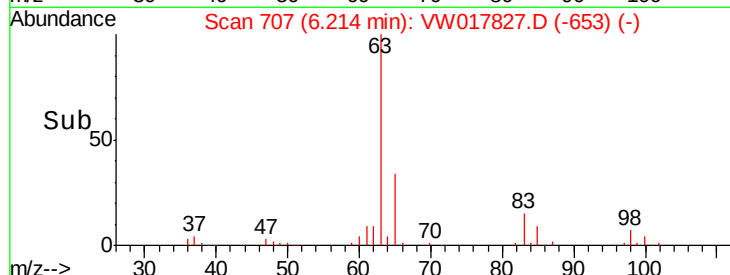
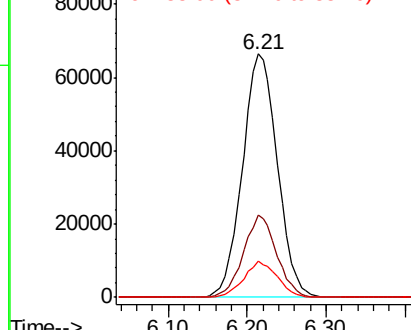
63 100

65 33.6 21.9 40.7

83 15.0 10.0 18.6



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



#21

2-Butanone

Concen: 53.890 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017827.D

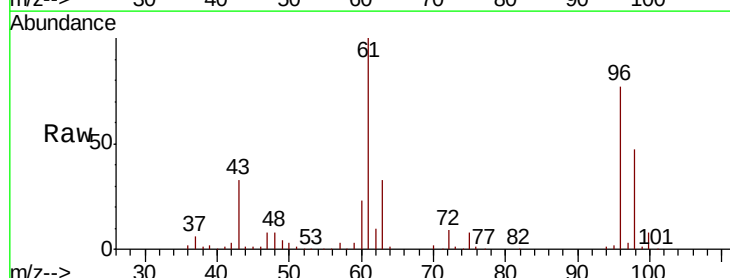
Acq: 12 Jan 2021 10:14

Tgt Ion: 43 Resp: 52738

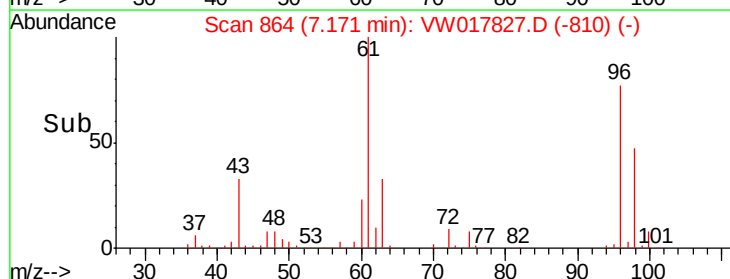
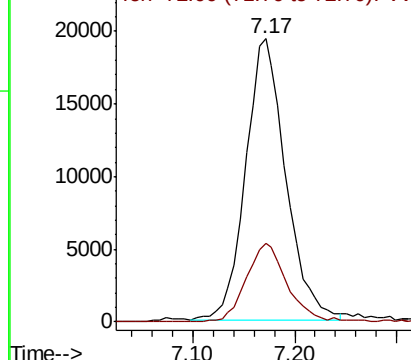
Ion Ratio Lower Upper

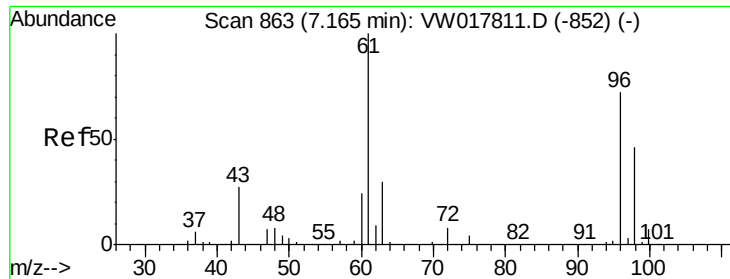
43 100

72 28.0 15.4 46.2



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



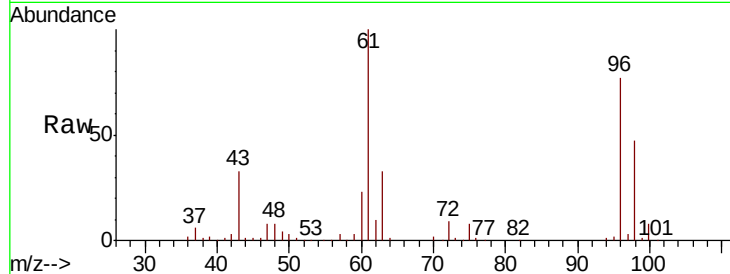


#22

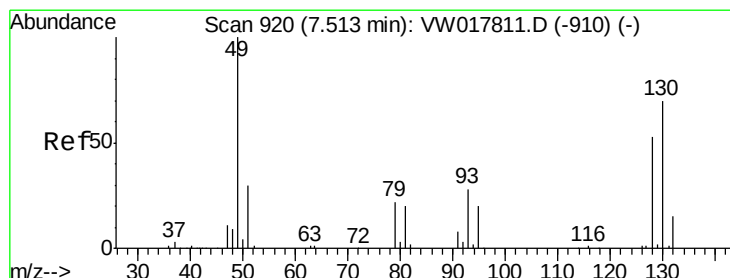
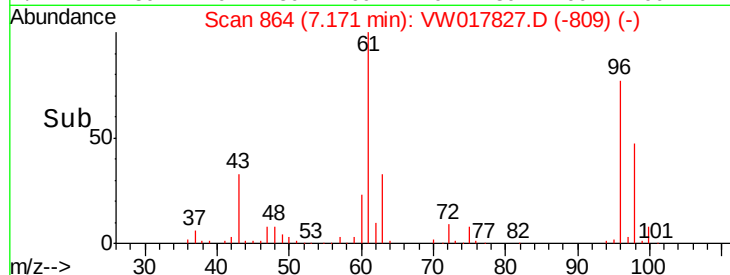
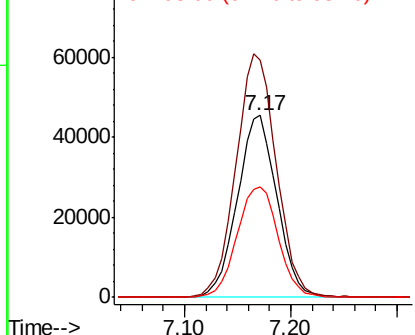
cis-1,2-Dichloroethene
Concen: 25.211 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW017827.D
Acq: 12 Jan 2021 10:14

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 118314
Ion Ratio Lower Upper
96 100
61 130.5 88.2 163.8
98 60.7 43.7 81.1



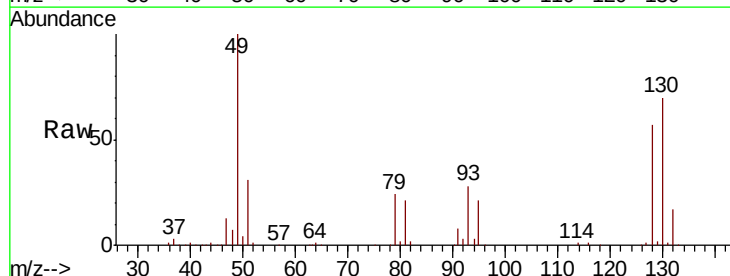
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



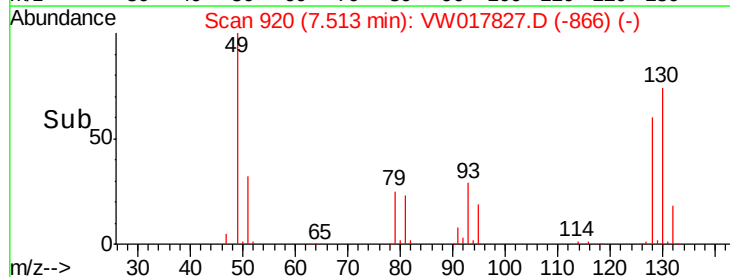
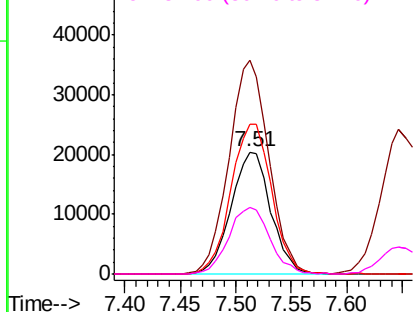
#23

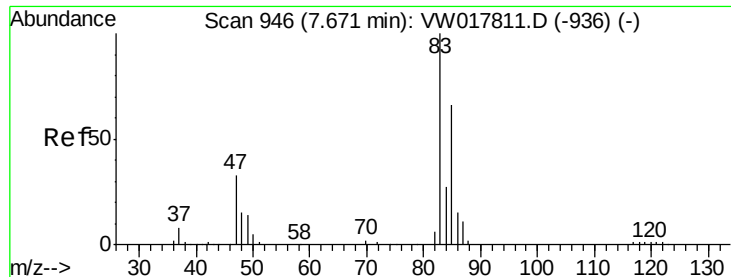
Bromochloromethane
Concen: 25.383 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW017827.D
Acq: 12 Jan 2021 10:14

Tgt Ion: 128 Resp: 50462
Ion Ratio Lower Upper
128 100
49 175.6 98.3 182.5
130 123.5 84.4 156.7
51 54.7 35.0 52.4#



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

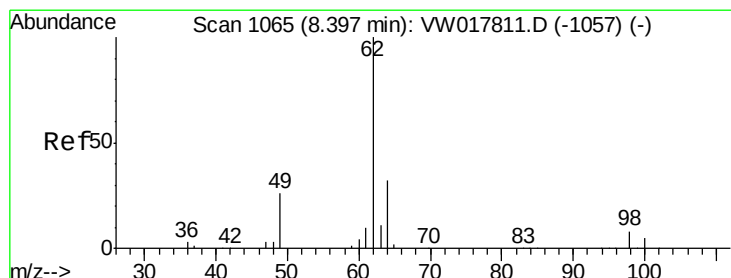
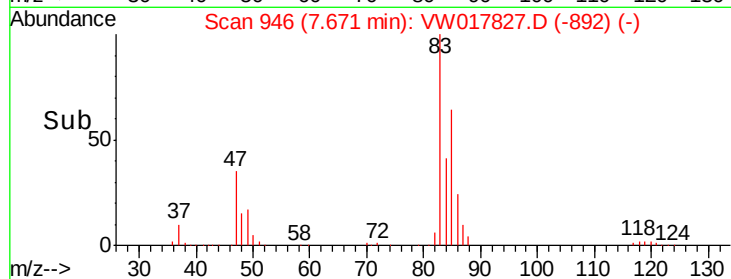
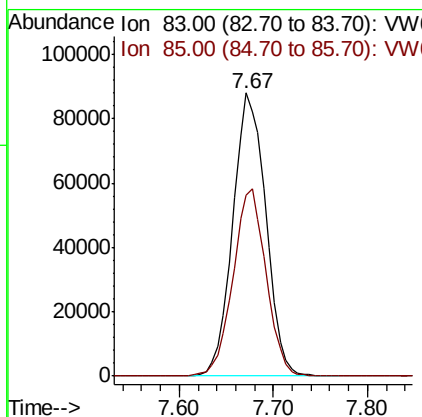
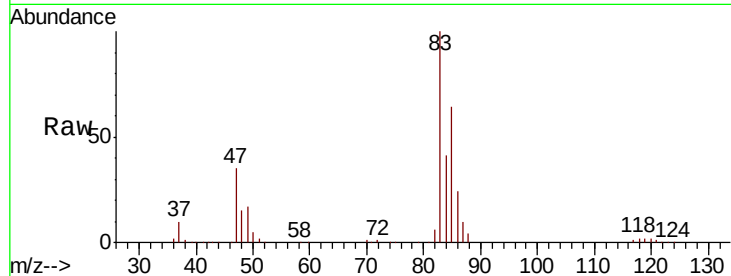




#25
Chloroform
Concen: 26.793 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW017827.D
Acq: 12 Jan 2021 10:14

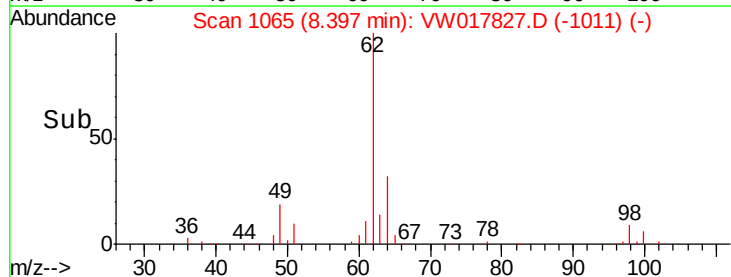
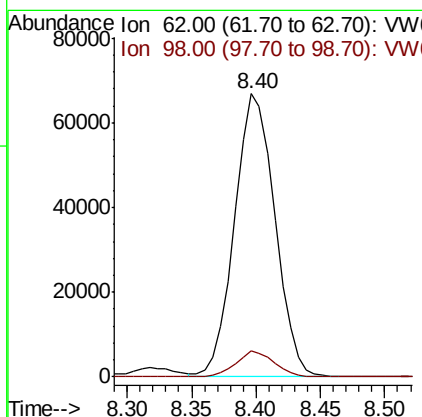
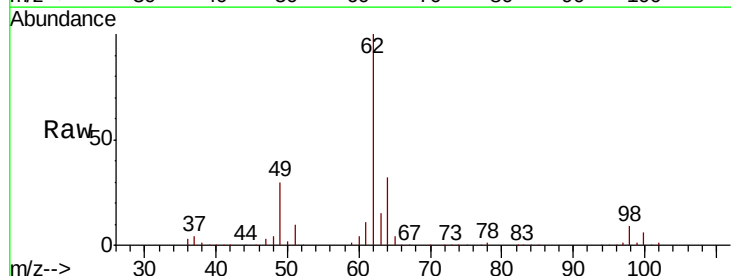
Instrument :
MSVOA_W
ClientSampled :

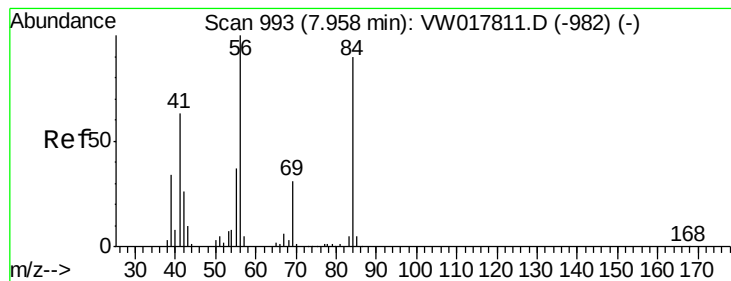
Tot Ion: 83 Resp: 215111
Ion Ratio Lower Upper
83 100
85 66.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 28.087 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW017827.D
Acq: 12 Jan 2021 10:14

Tgt Ion: 62 Resp: 145871
Ion Ratio Lower Upper
62 100
98 9.2 6.3 9.5





#30

Cyclohexane

Concen: 25.939 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

Instrument :

MSVOA_W

ClientSampled :

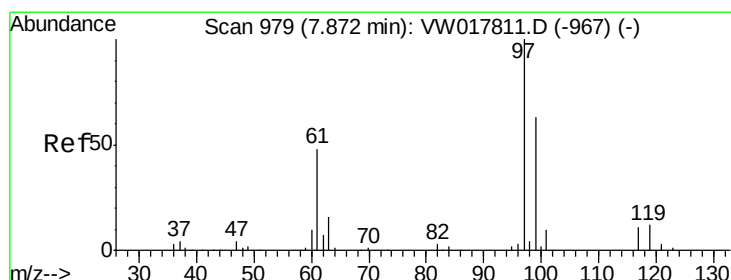
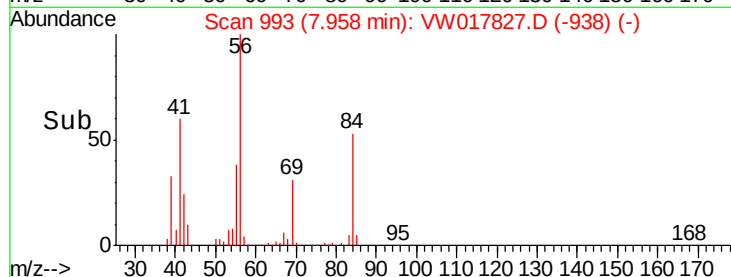
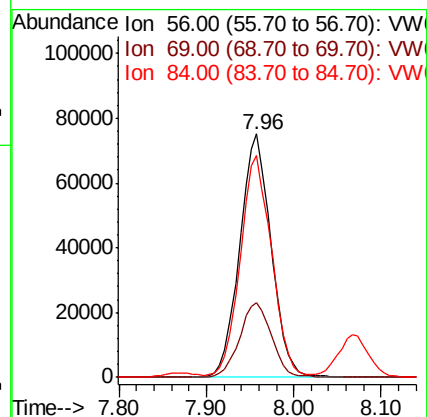
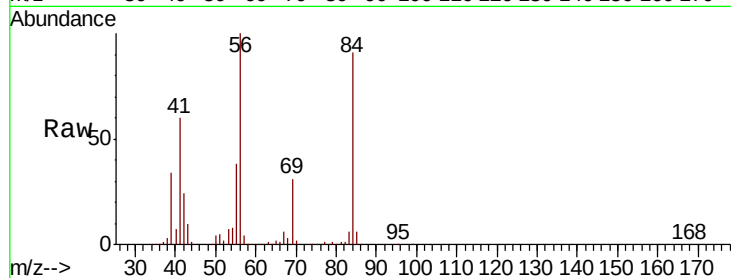
Tot Ion: 56 Resp: 187602

Ion Ratio Lower Upper

56 100

69 31.1 25.0 37.4

84 90.7 76.6 115.0



#31

1,1,1-Trichloroethane

Concen: 25.863 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

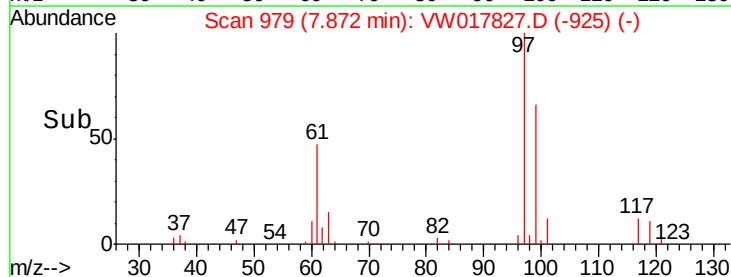
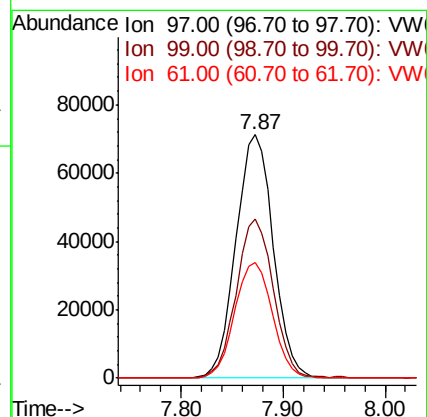
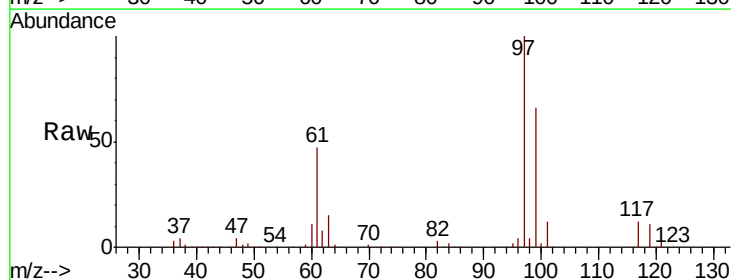
Tgt Ion: 97 Resp: 180769

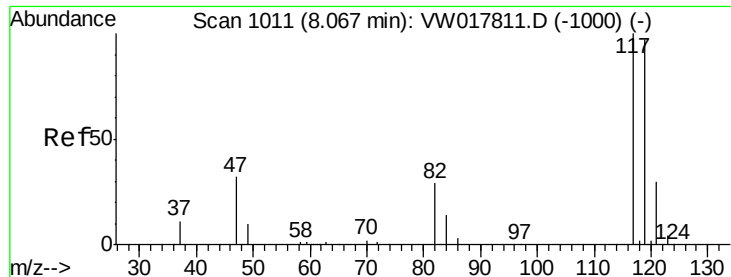
Ion Ratio Lower Upper

97 100

99 65.1 51.1 76.7

61 48.0 35.8 53.8





#32

Carbon tetrachloride

Concen: 26.124 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

Instrument :

MSVOA_W

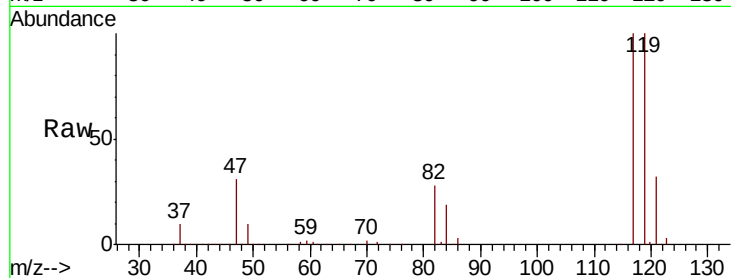
ClientSampleId :

Tot Ion:117 Resp: 172264

Ion Ratio Lower Upper

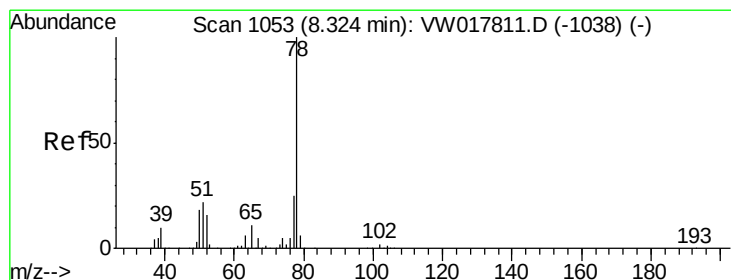
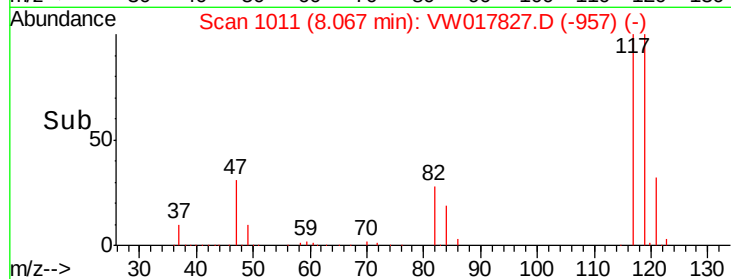
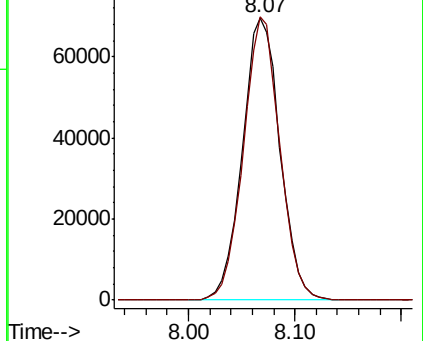
117 100

119 97.3 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: 26.476 ug/L

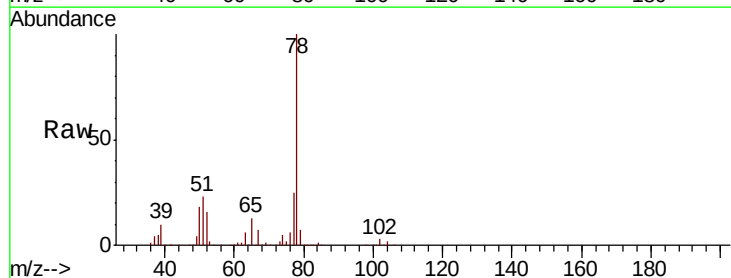
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

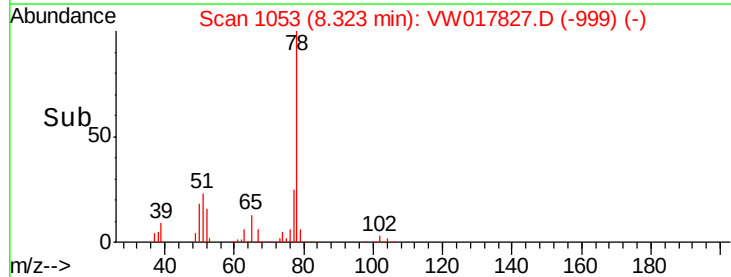
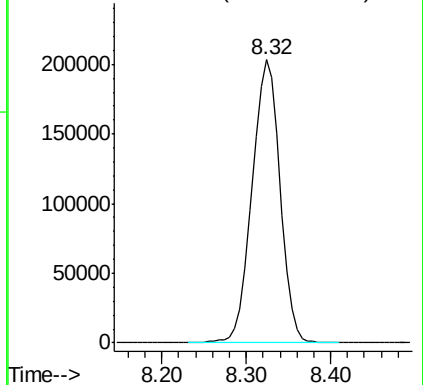
Lab File: VW017827.D

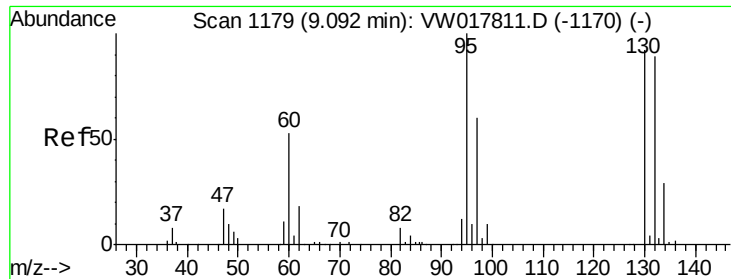
Acq: 12 Jan 2021 10:14

Tgt Ion: 78 Resp: 459978



Abundance Ion 78.00 (77.70 to 78.70): VW

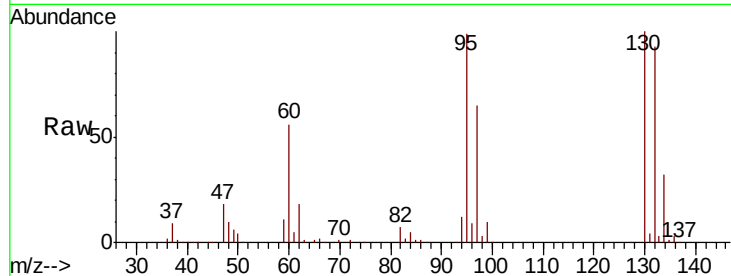




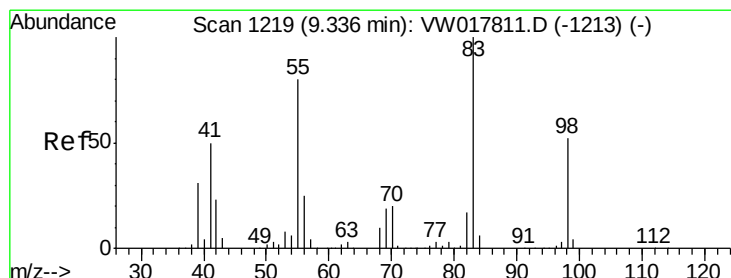
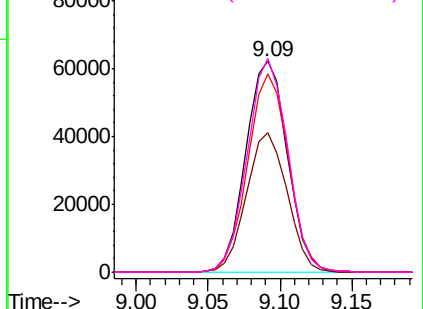
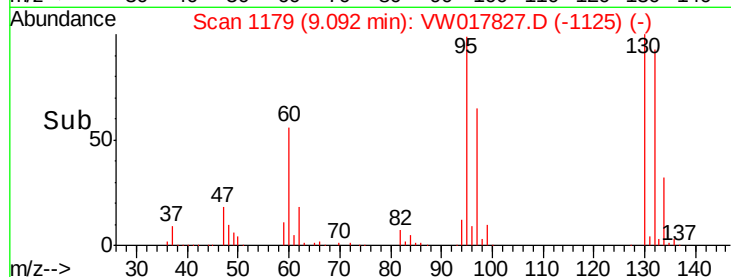
#35
 Trichloroethene
 Concen: 25.778 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017827.D
 Acq: 12 Jan 2021 10:14

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 123962
 Ion Ratio Lower Upper
 95 100
 97 65.4 46.8 87.0
 132 92.8 68.3 126.9
 130 99.0 71.8 133.4

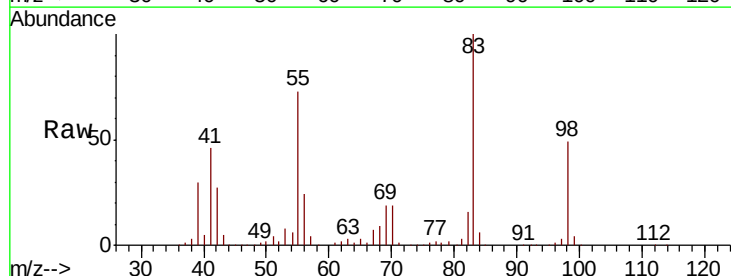


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

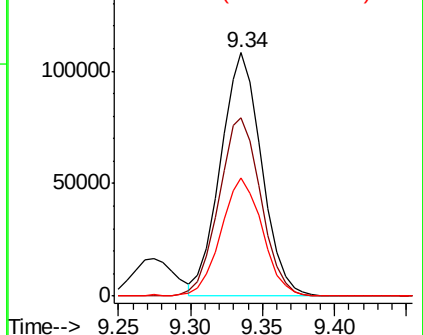
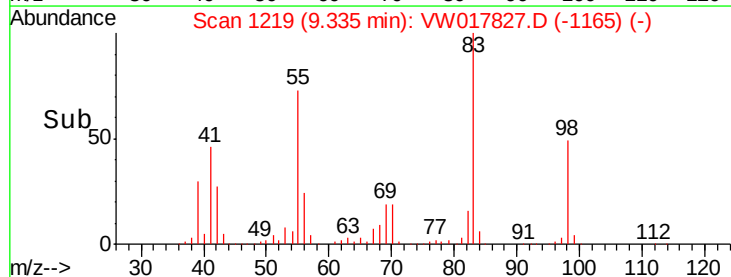


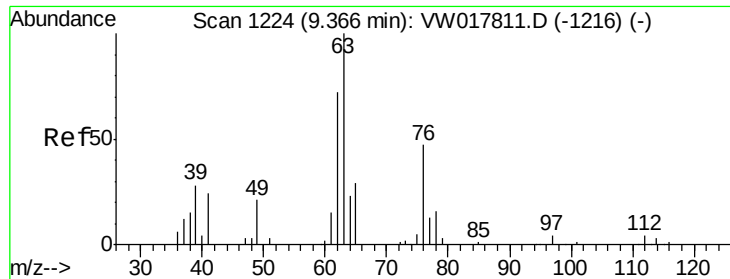
#36
 Methylcyclohexane
 Concen: 25.494 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW017827.D
 Acq: 12 Jan 2021 10:14

Tgt Ion: 83 Resp: 214320
 Ion Ratio Lower Upper
 83 100
 55 75.2 57.6 86.4
 98 49.4 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

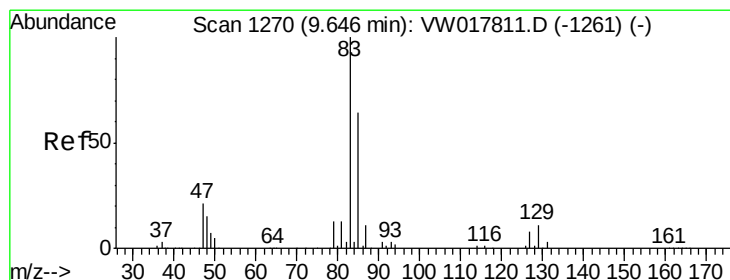
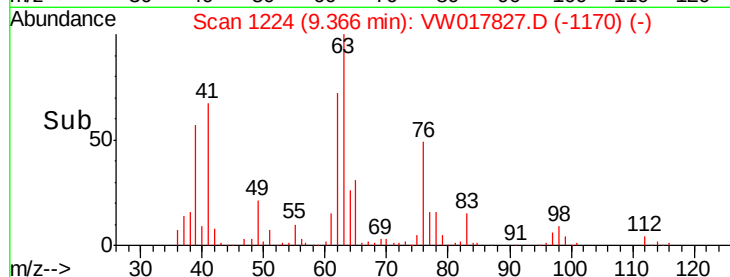
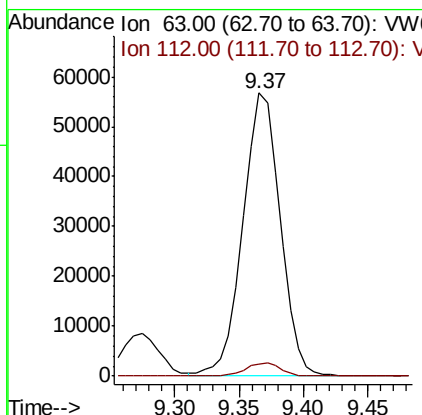
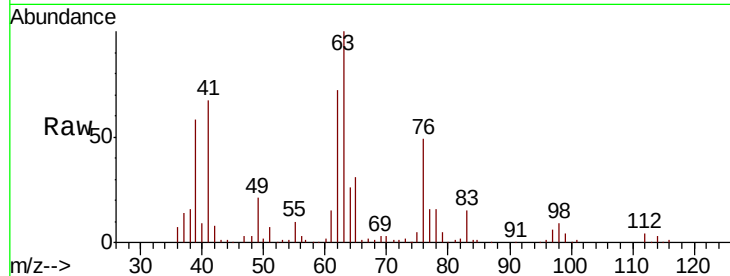




#40
 1,2-Dichloropropane
 Concen: 27.655 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW017827.D
 Acq: 12 Jan 2021 10:14

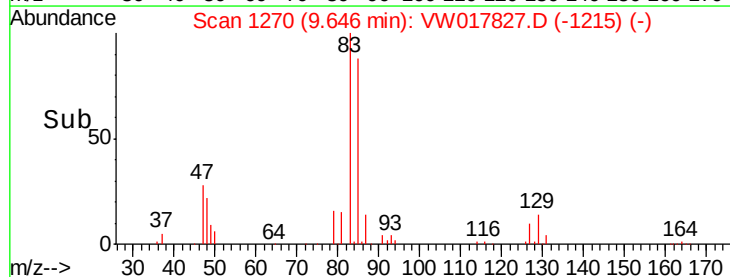
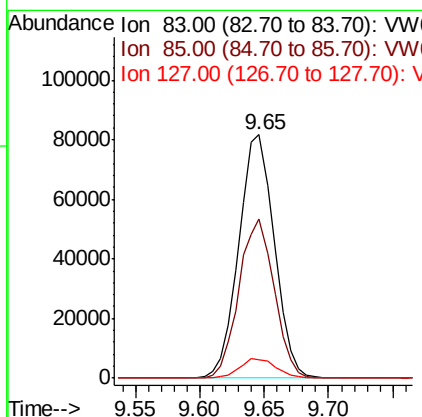
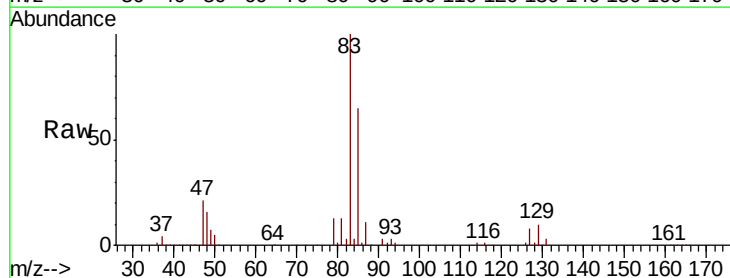
Instrument :
 MSVOA_W
 ClientSampleId :

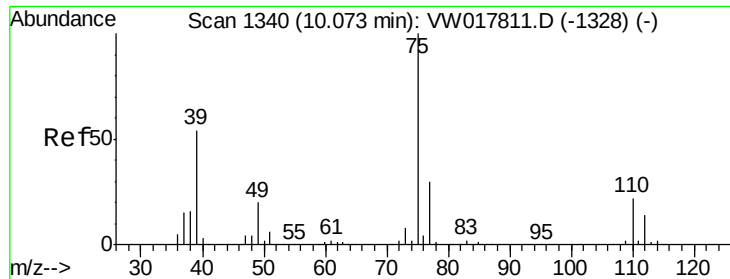
Tot Ion: 63 Resp: 113422
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#41
 Bromodichloromethane
 Concen: 27.849 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW017827.D
 Acq: 12 Jan 2021 10:14

Tgt Ion: 83 Resp: 156349
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.5 82.7
 127 7.5 6.9 10.3





#42

cis-1,3-Dichloropropene

Concen: 27.766 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

Instrument :

MSVOA_W

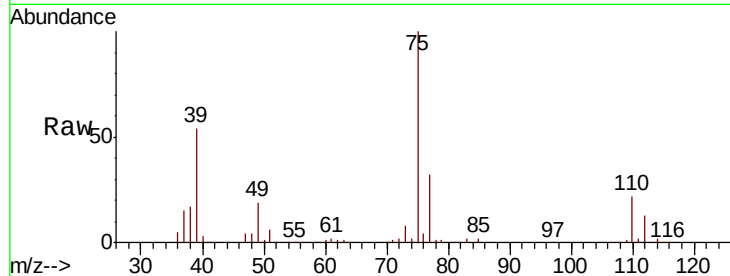
ClientSampled :

Tot Ion: 75 Resp: 181724

Ion Ratio Lower Upper

75 100

77 31.7 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

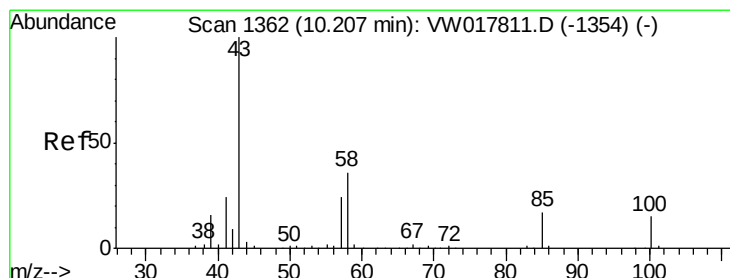
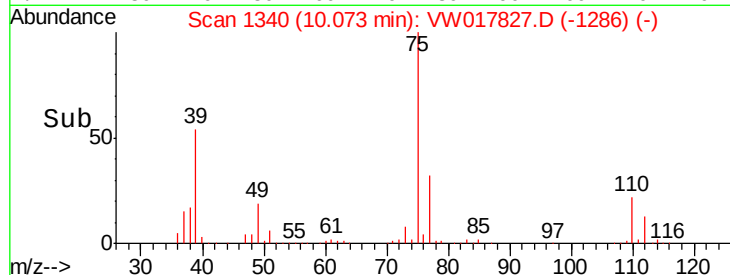
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 60.179 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

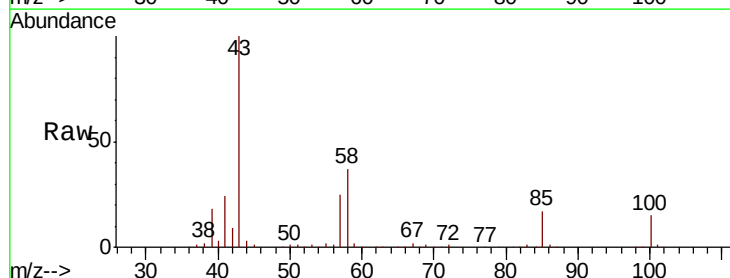
Tgt Ion: 43 Resp: 119911

Ion Ratio Lower Upper

43 100

58 37.4 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

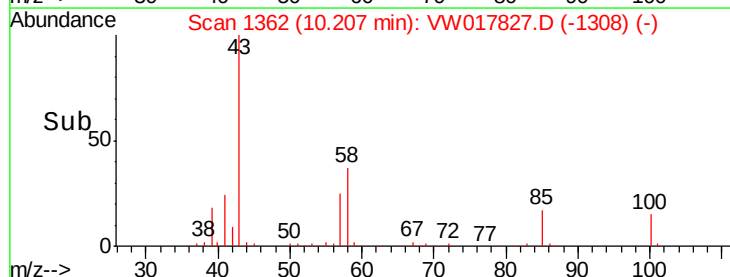
150000

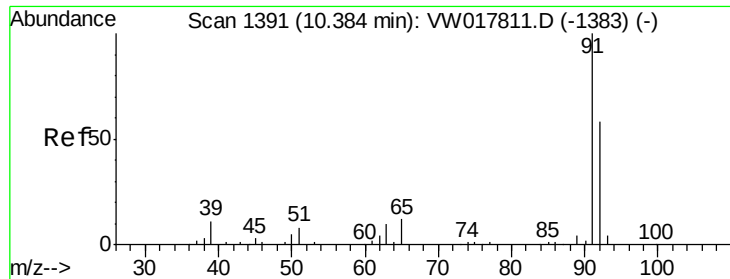
100000

50000

0

Time-->





#44

Toluene

Concen: 26.022 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

Instrument :

MSVOA_W

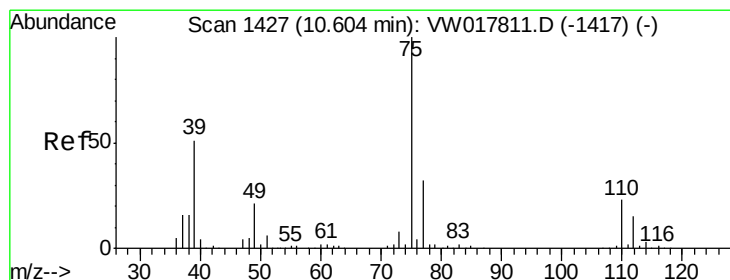
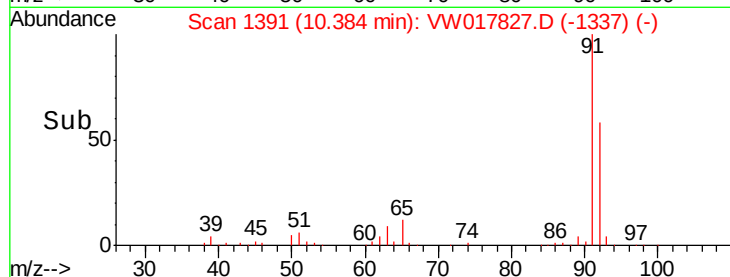
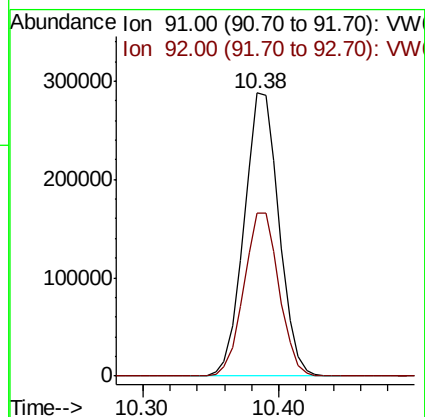
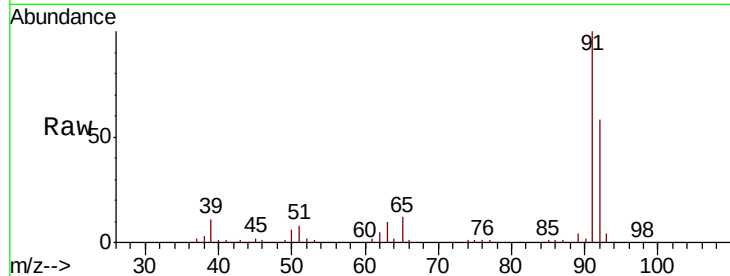
ClientSampled :

Tot Ion: 91 Resp: 515509

Ion Ratio Lower Upper

91 100

92 57.6 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 28.065 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017827.D

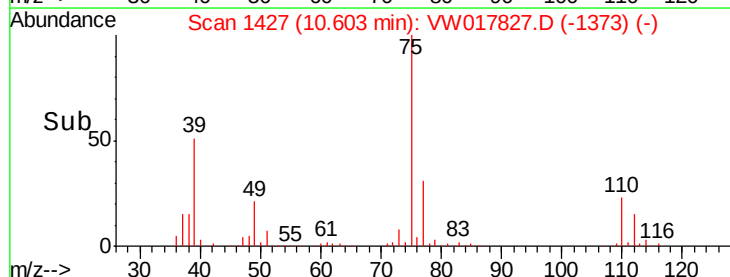
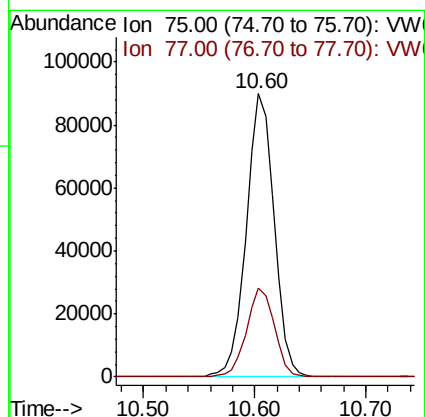
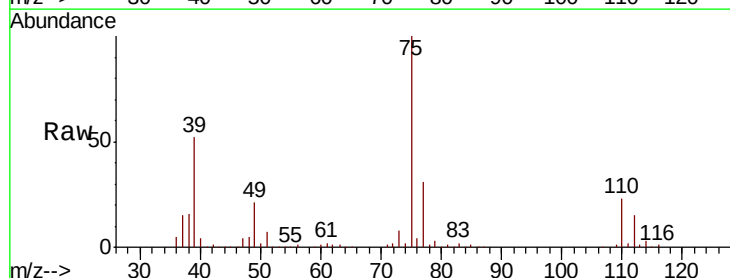
Acq: 12 Jan 2021 10:14

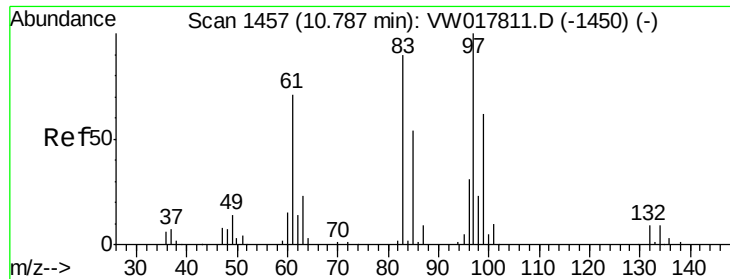
Tgt Ion: 75 Resp: 156413

Ion Ratio Lower Upper

75 100

77 31.3 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 27.152 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

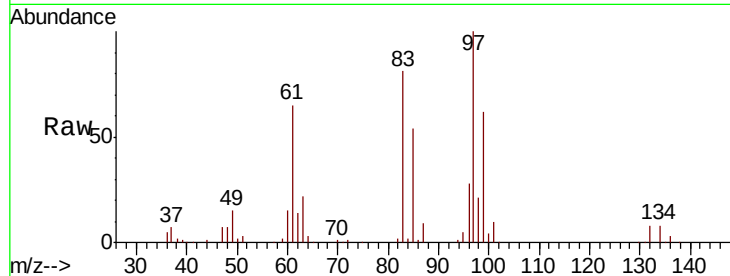
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 82775

Ion	Ratio	Lower	Upper
97	100		
83	81.2	58.9	109.5
85	54.4	37.1	68.9
99	62.1	42.7	79.3



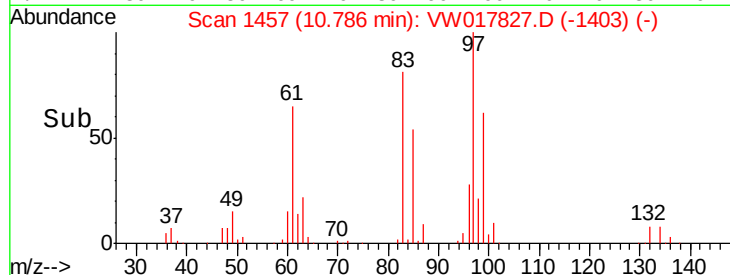
Abundance

Ion 97.00 (96.70 to 97.70): VW

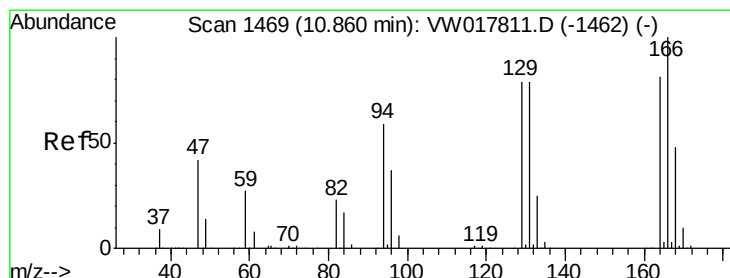
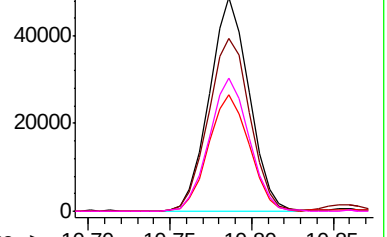
Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



Time-->



#47

Tetrachloroethene

Concen: 25.175 ug/L

RT: 10.86 min Scan# 1469

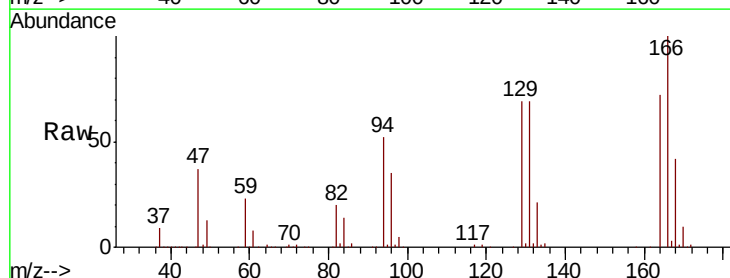
Delta R.T. 0.00 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

Tgt Ion: 164 Resp: 94651

Ion	Ratio	Lower	Upper
164	100		
129	96.3	62.9	116.9
131	95.3	63.8	118.6
166	139.1	87.4	162.2



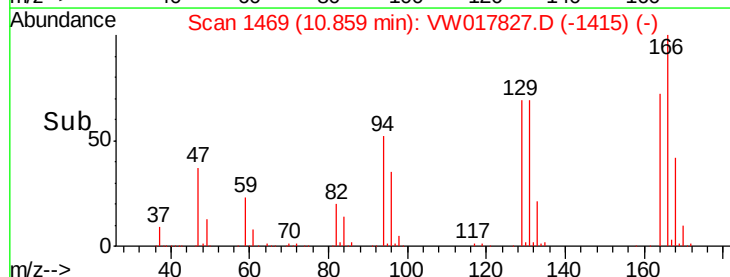
Abundance

Ion 164.00 (163.70 to 164.70): V

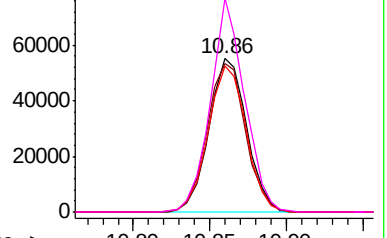
Ion 129.00 (128.70 to 129.70): V

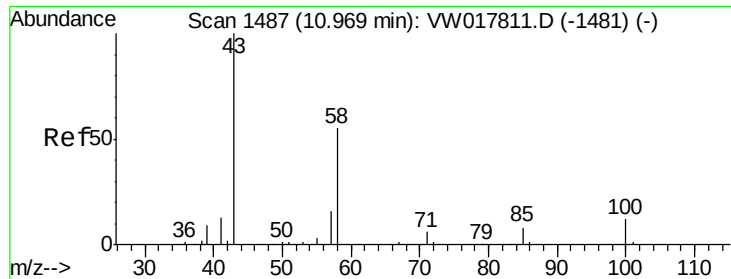
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Time-->

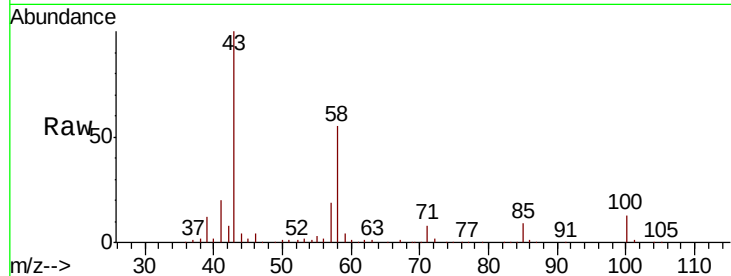




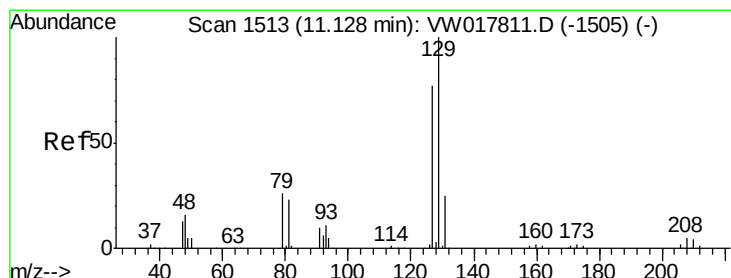
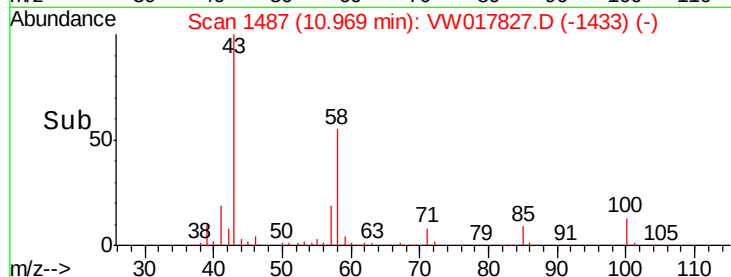
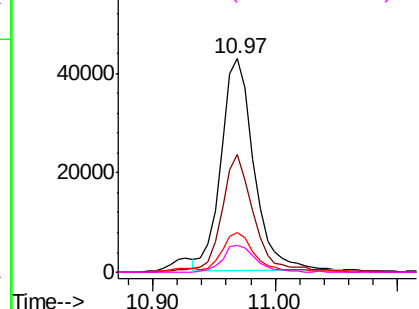
#49
2-Hexanone
Concen: 55.904 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017827.D
Acq: 12 Jan 2021 10:14

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 79033
Ion Ratio Lower Upper
43 100
58 55.1 44.2 66.4
57 18.1 16.1 24.1
100 12.9 11.0 16.4

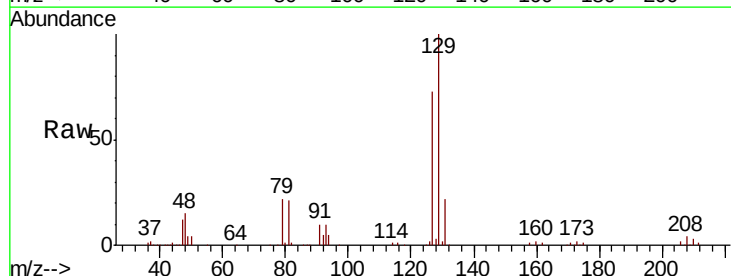


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

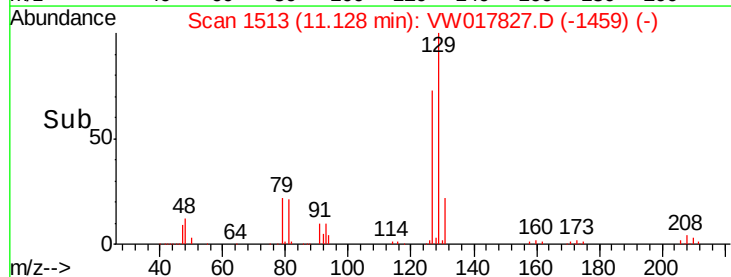
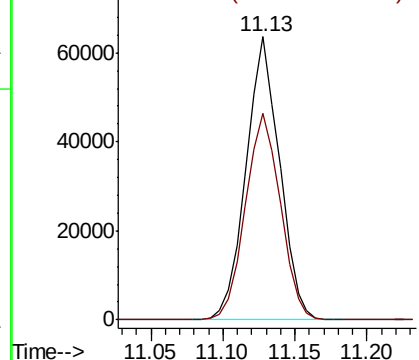


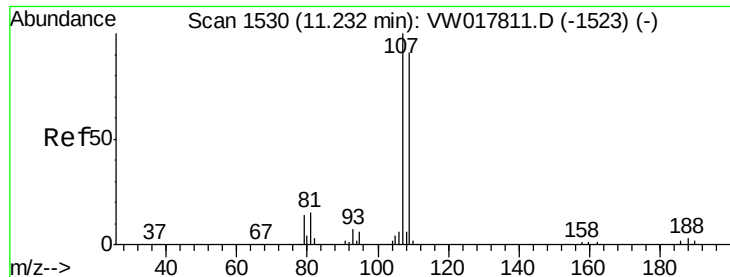
#50
Dibromochloromethane
Concen: 28.322 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017827.D
Acq: 12 Jan 2021 10:14

Tgt Ion: 129 Resp: 102504
Ion Ratio Lower Upper
129 100
127 73.2 56.1 104.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

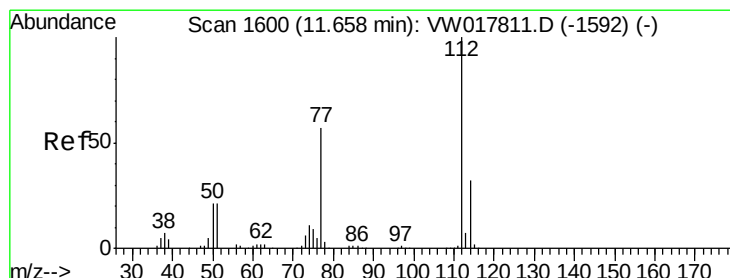
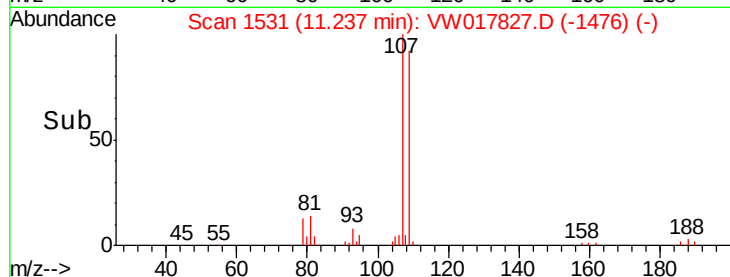
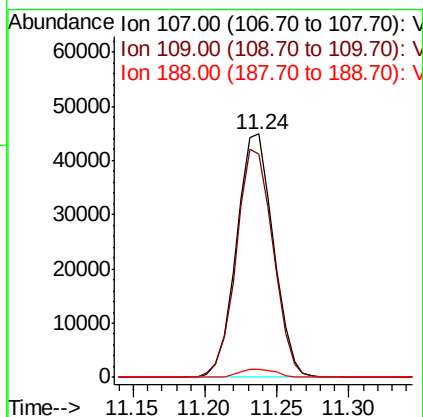
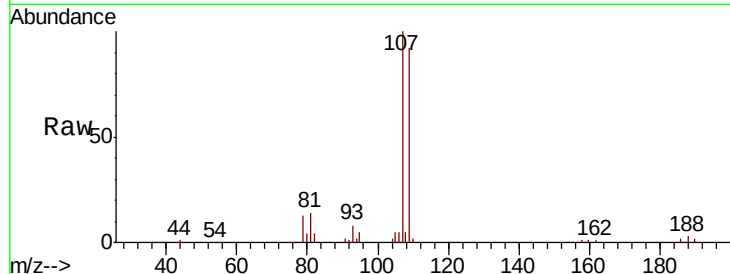




#51
 1,2-Dibromoethane
 Concen: 27.686 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW017827.D
 Acq: 12 Jan 2021 10:14

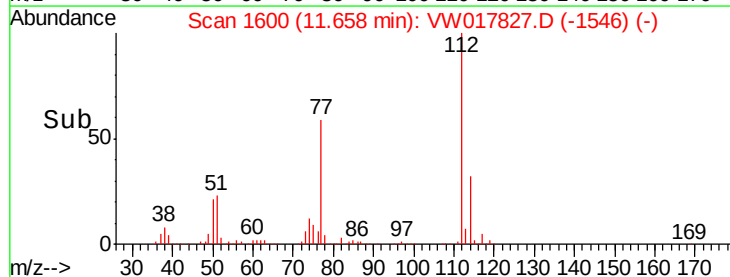
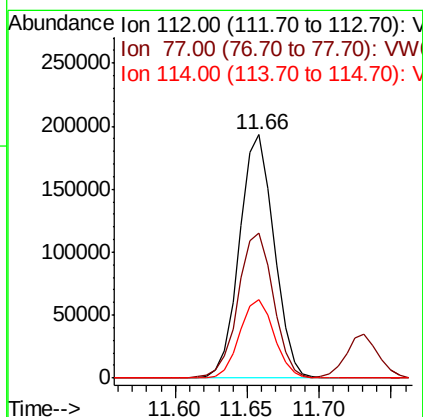
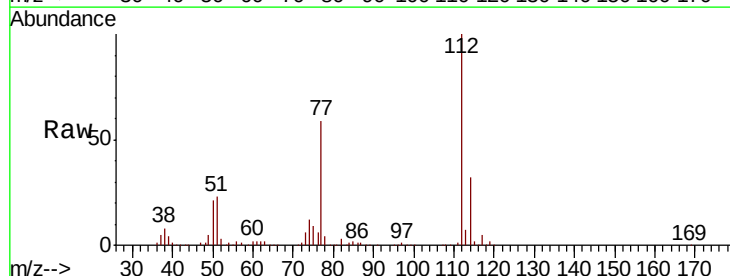
Instrument :
 MSVOA_W
 ClientSampleId :

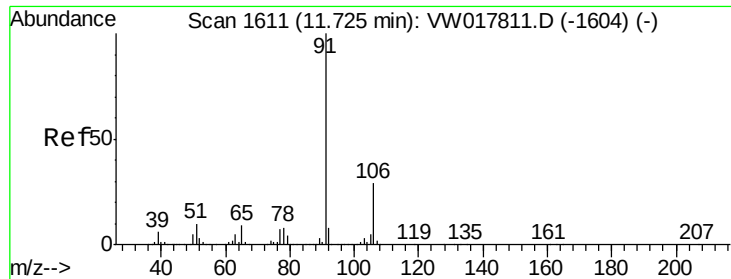
Tot Ion	107	Resp	79905
Ion Ratio	Lower	Upper	
107	100		
109	91.9	68.5	127.1
188	3.1	2.7	4.1



#52
 Chlorobenzene
 Concen: 26.053 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017827.D
 Acq: 12 Jan 2021 10:14

Tgt Ion	112	Resp	322203
Ion Ratio	Lower	Upper	
112	100		
77	59.4	43.4	65.2
114	32.2	21.6	40.2

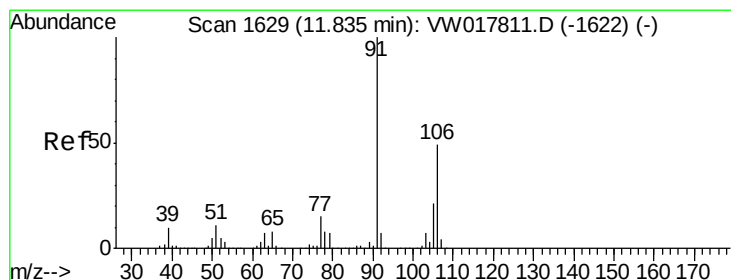
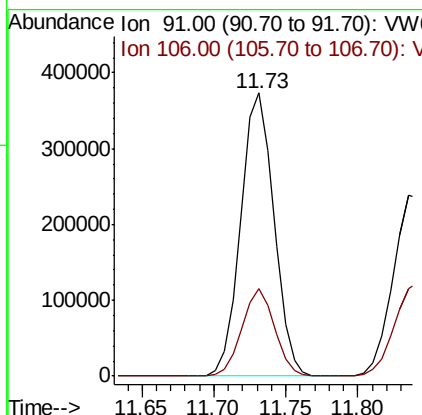
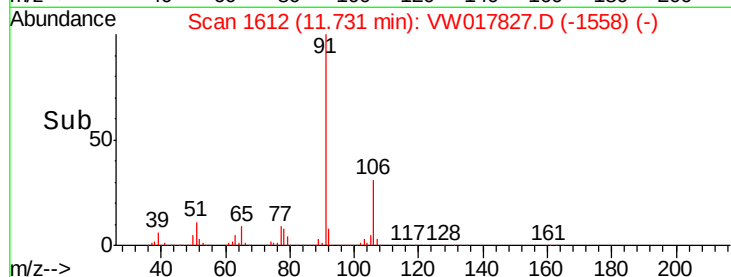
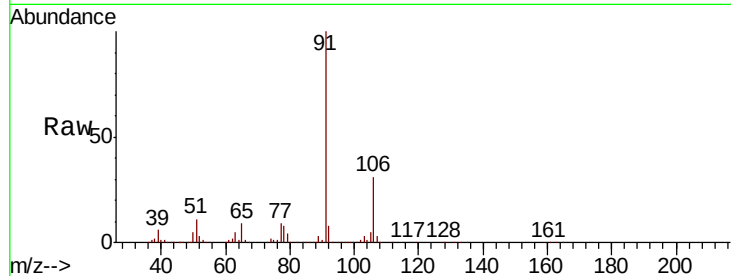




#53
Ethylbenzene
Concen: 26.586 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017827.D
Acq: 12 Jan 2021 10:14

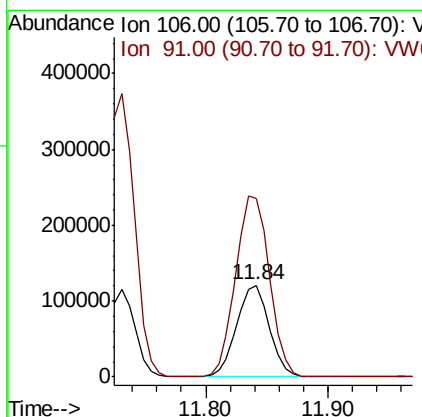
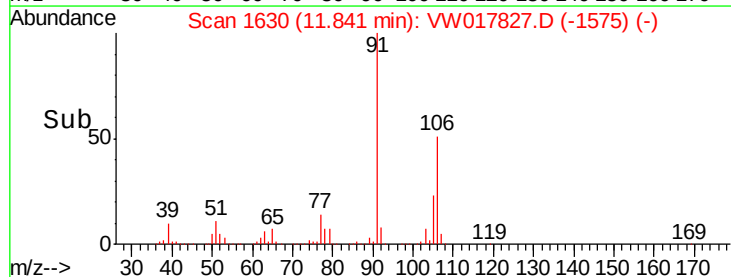
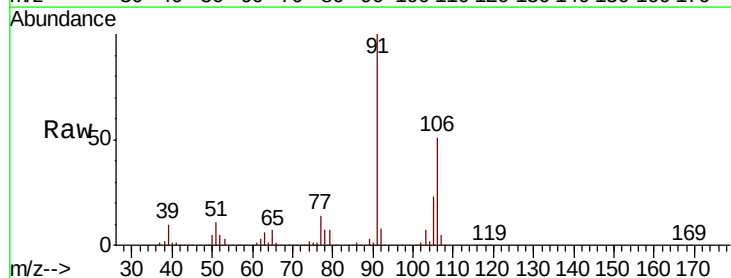
Instrument :
MSVOA_W
ClientSampleId :

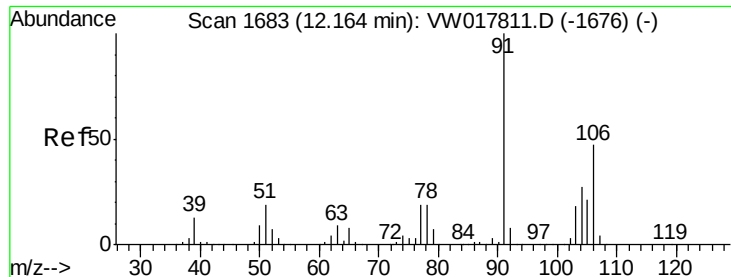
Tot Ion: 91 Resp: 597588
Ion Ratio Lower Upper
91 100
106 30.9 22.0 41.0



#54
m,p-Xylene
Concen: 25.490 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW017827.D
Acq: 12 Jan 2021 10:14

Tgt Ion: 106 Resp: 224134
Ion Ratio Lower Upper
106 100
91 195.3 141.6 263.0





#55

o-xylene

Concen: 25.630 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

Instrument :

MSVOA_W

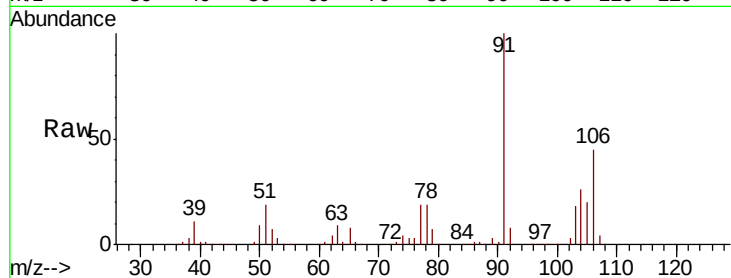
ClientSampled :

Tot Ion:106 Resp: 211942

Ion Ratio Lower Upper

106 100

91 220.4 145.7 270.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

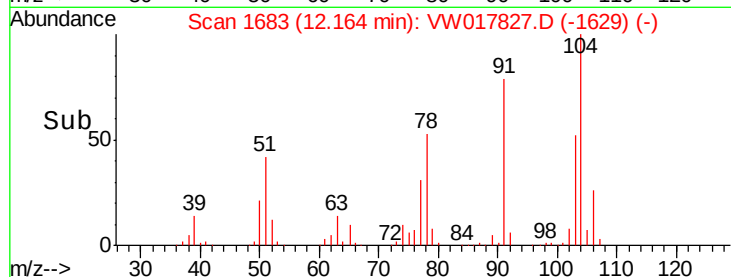
300000

200000

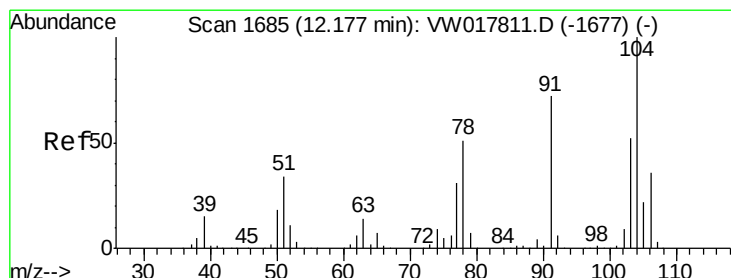
100000

0

12.10 12.15 12.20



Time-->



#56

Styrene

Concen: 26.191 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW017827.D

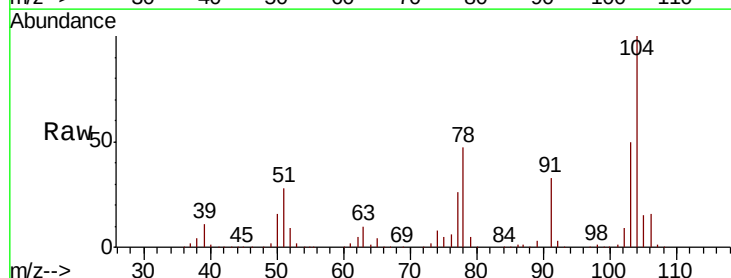
Acq: 12 Jan 2021 10:14

Tgt Ion:104 Resp: 360263

Ion Ratio Lower Upper

104 100

78 46.7 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

250000

200000

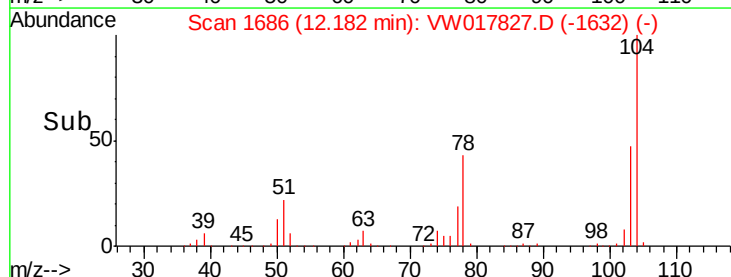
150000

100000

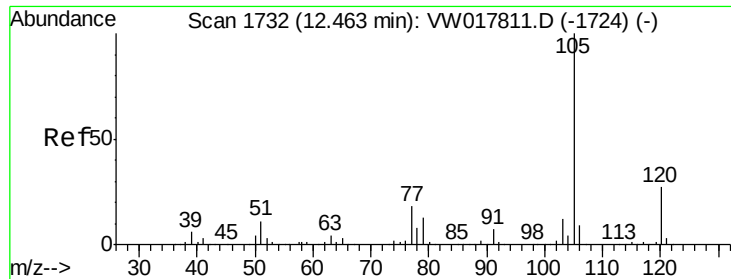
50000

0

12.10 12.15 12.20



Time-->



#57

Isopropylbenzene

Concen: 26.136 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

Instrument :

MSVOA_W

ClientSampled :

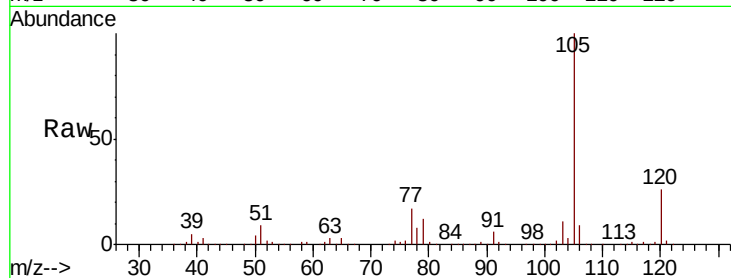
Tot Ion:105 Resp: 598351

Ion Ratio Lower Upper

105 100

120 26.2 21.4 32.2

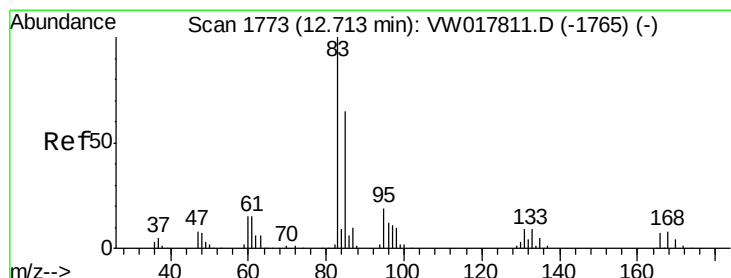
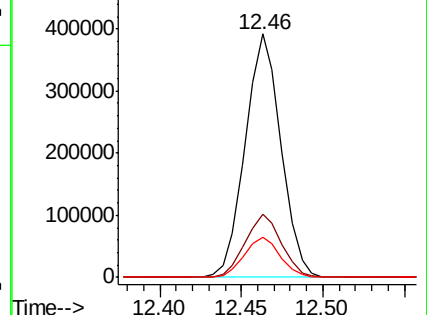
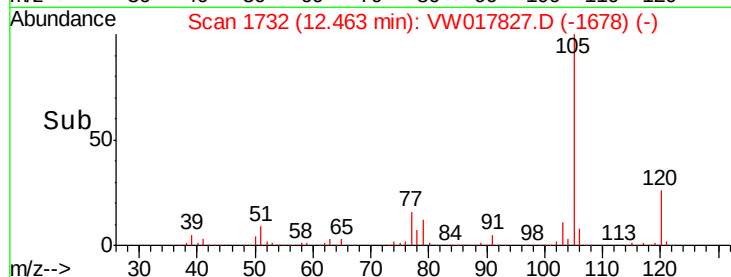
77 16.7 12.7 19.1



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: 28.362 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

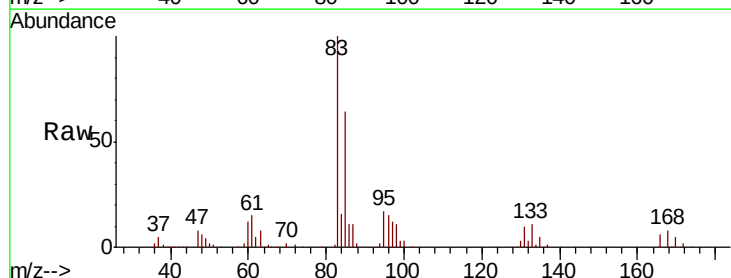
Tgt Ion: 83 Resp: 96506

Ion Ratio Lower Upper

83 100

85 63.8 45.6 84.8

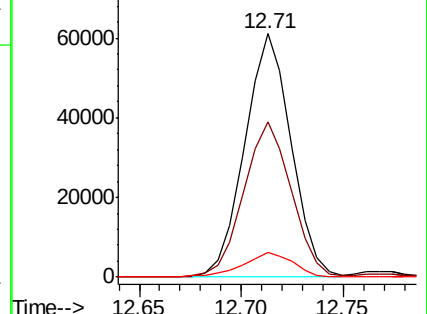
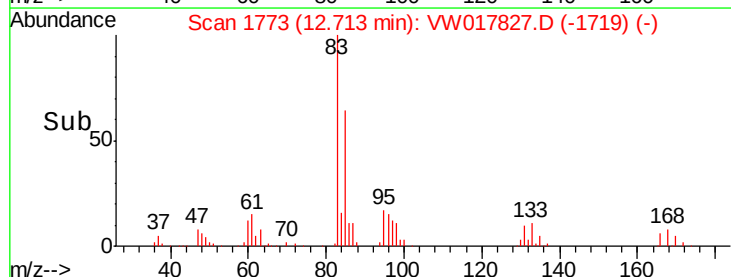
131 10.0 7.8 11.8

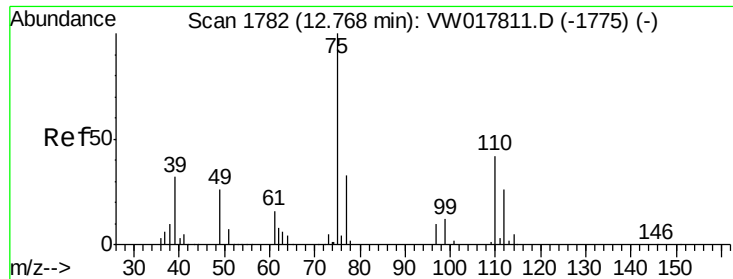


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

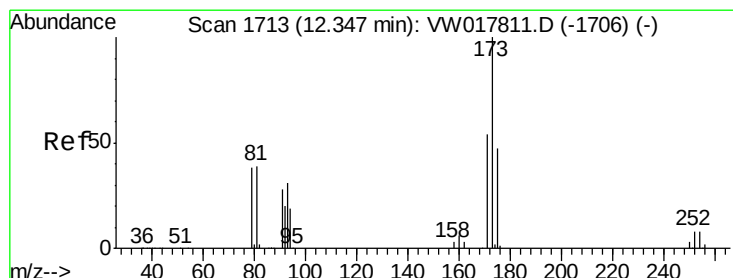
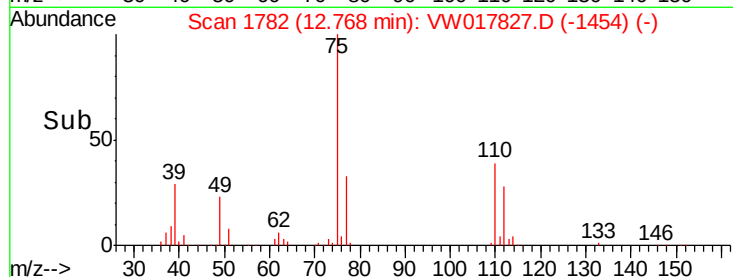
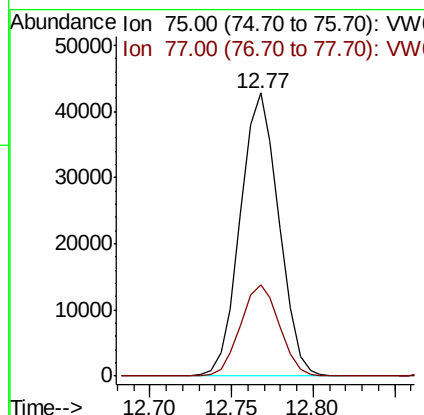
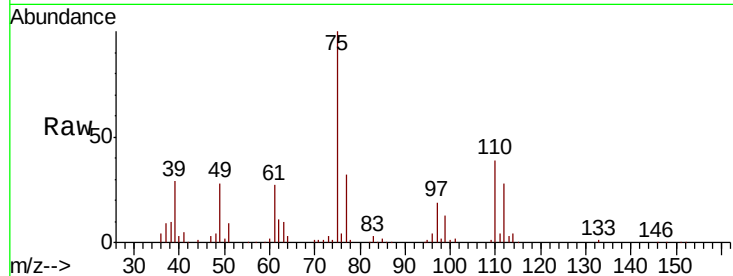




#59
 1,2,3-Trichloropropane
 Concen: 28.121 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW017827.D
 Acq: 12 Jan 2021 10:14

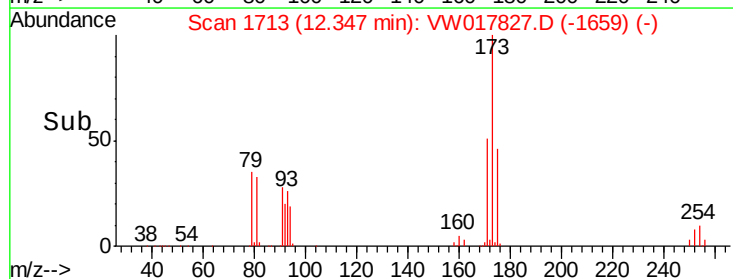
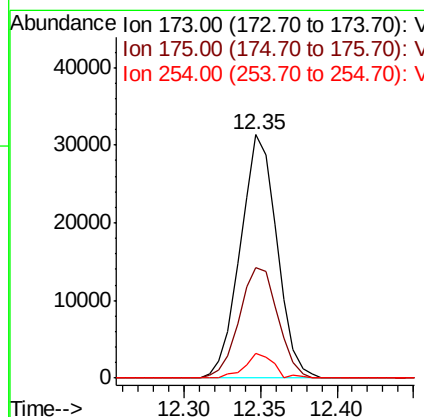
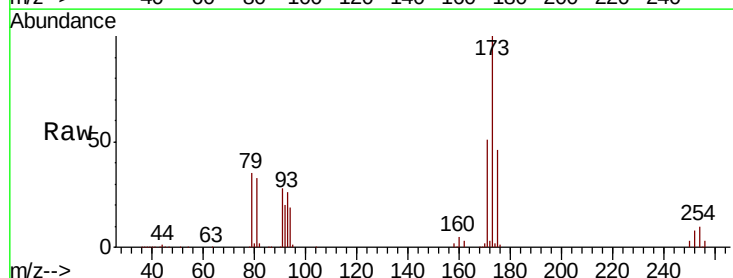
Instrument :
 MSVOA_W
 ClientSampled :

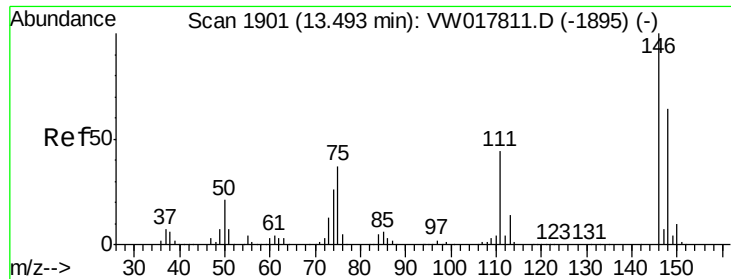
Tot Ion: 75 Resp: 70338
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.0



#62
 Bromoform
 Concen: 27.529 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW017827.D
 Acq: 12 Jan 2021 10:14

Tgt Ion: 173 Resp: 52041
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.1 57.1
 254 7.7 6.7 10.1





#63

1,3-Dichlorobenzene

Concen: 25.594 ug/L

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

Instrument :

MSVOA_W

ClientSampled :

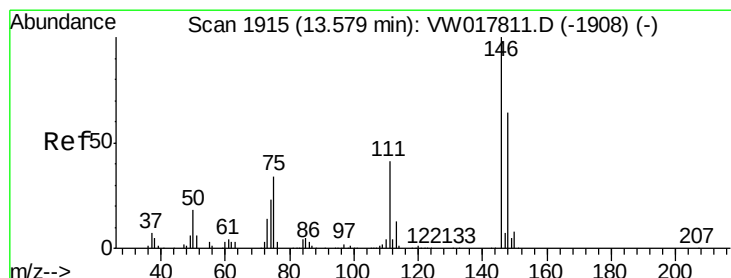
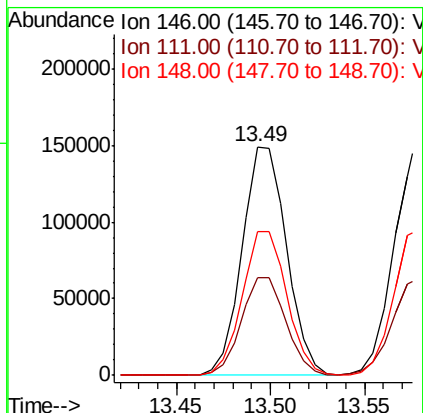
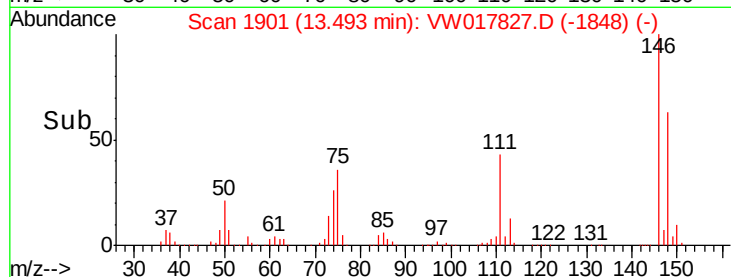
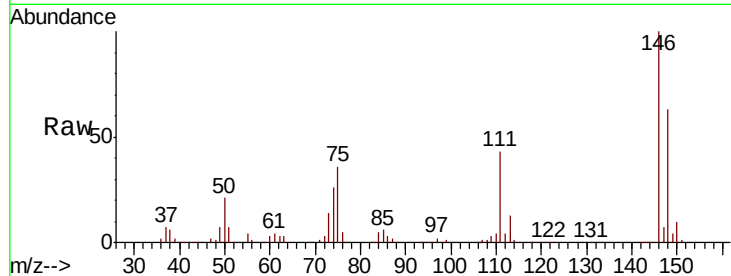
Tot Ion:146 Resp: 244065

Ion Ratio Lower Upper

146 100

111 42.6 29.5 54.7

148 63.1 47.7 88.5



#64

1,4-Dichlorobenzene

Concen: 25.043 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

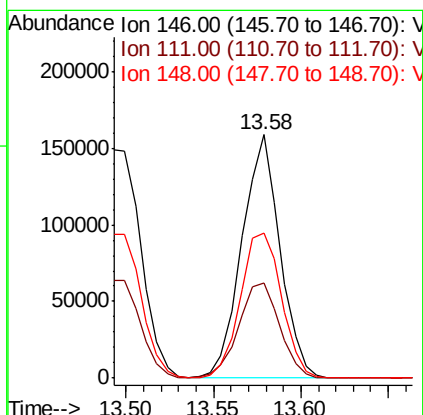
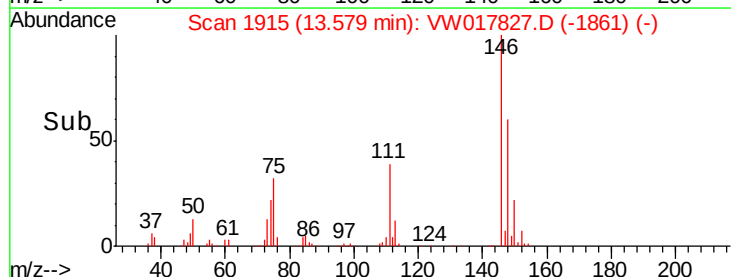
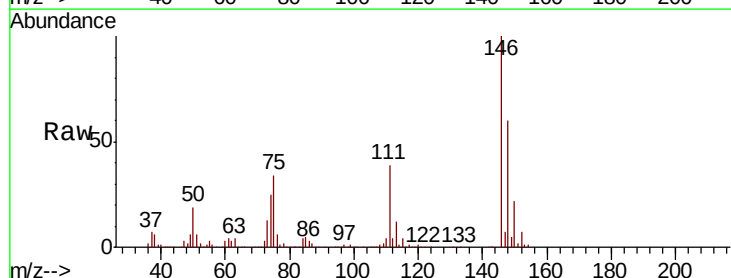
Tgt Ion:146 Resp: 239987

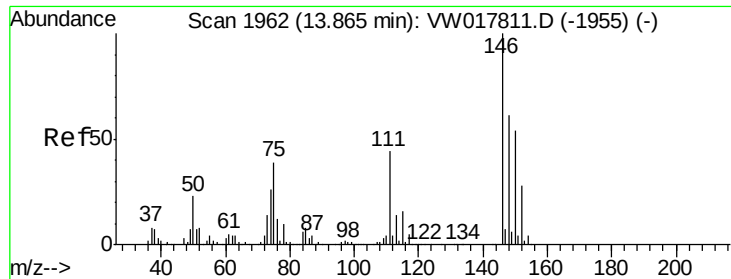
Ion Ratio Lower Upper

146 100

111 39.3 27.7 51.5

148 59.6 44.2 82.2

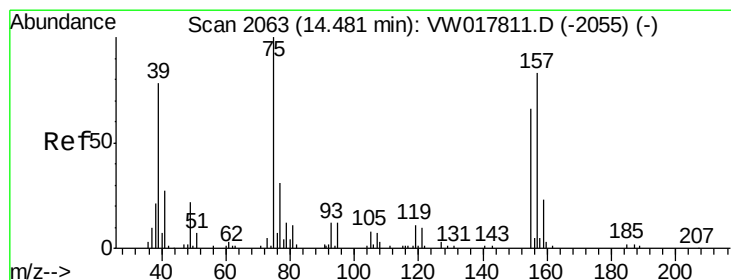
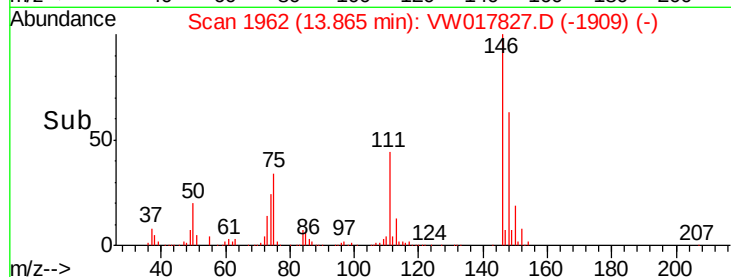
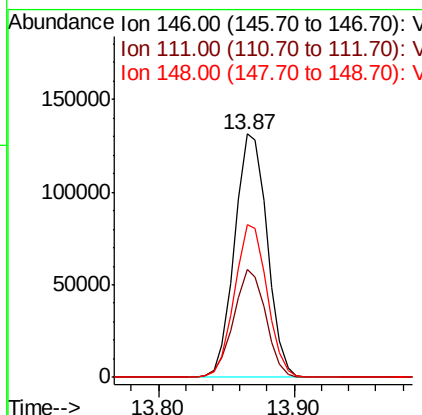
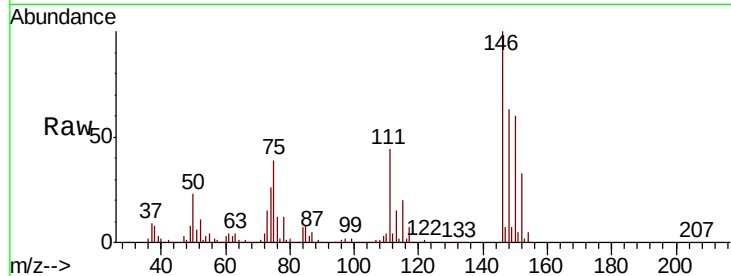




#65
 1,2-Dichlorobenzene
 Concen: 26.170 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW017827.D
 Acq: 12 Jan 2021 10:14

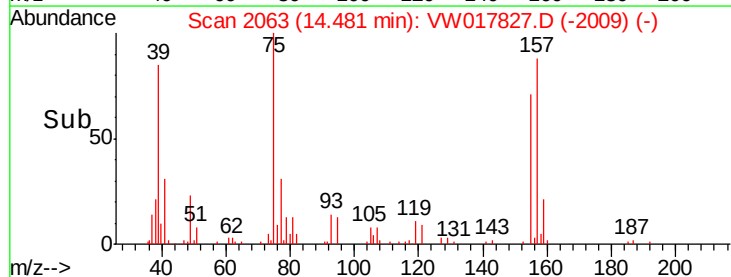
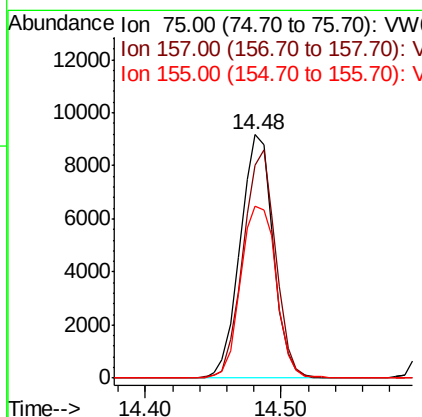
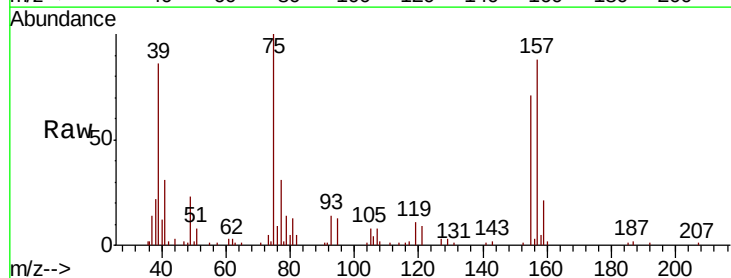
Instrument :
 MSVOA_W
 ClientSampleId :

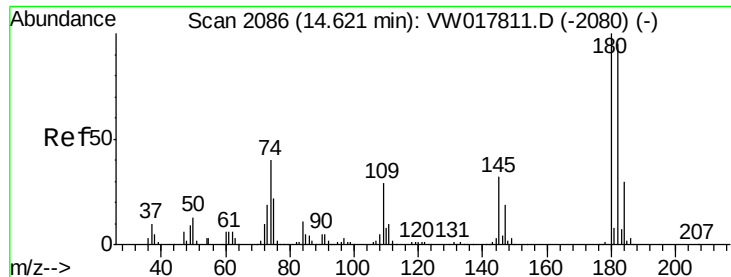
Tot Ion:146 Resp: 219283
 Ion Ratio Lower Upper
 146 100
 111 44.2 34.4 51.6
 148 63.0 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.169 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW017827.D
 Acq: 12 Jan 2021 10:14

Tgt Ion: 75 Resp: 15546
 Ion Ratio Lower Upper
 75 100
 157 87.7 70.2 105.4
 155 70.7 59.8 89.6

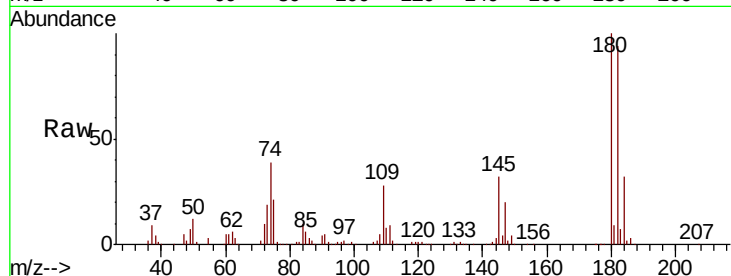




#67
 1,3,5-Trichlorobenzene
 Concen: 25.934 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017827.D
 Acq: 12 Jan 2021 10:14

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.2
184	30.1	23.6	35.4
145	31.5	25.2	37.8



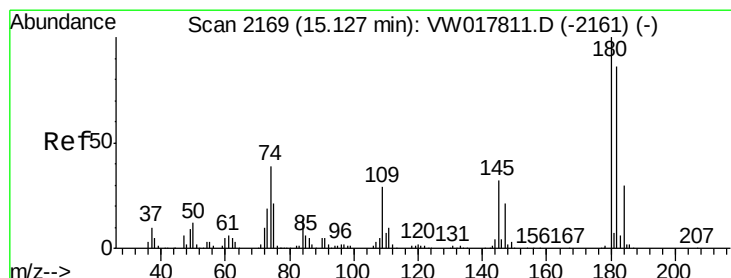
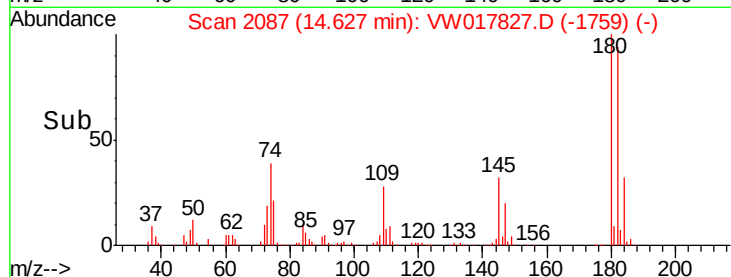
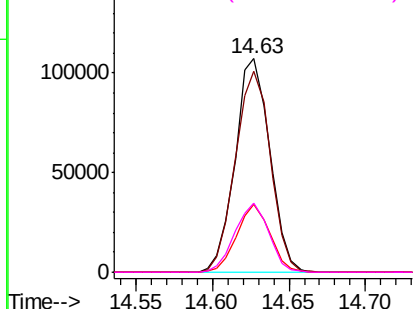
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

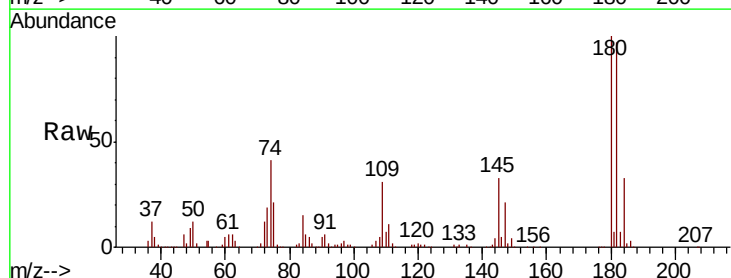
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.713 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW017827.D
 Acq: 12 Jan 2021 10:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	73.0	109.6
145	32.4	25.8	38.6

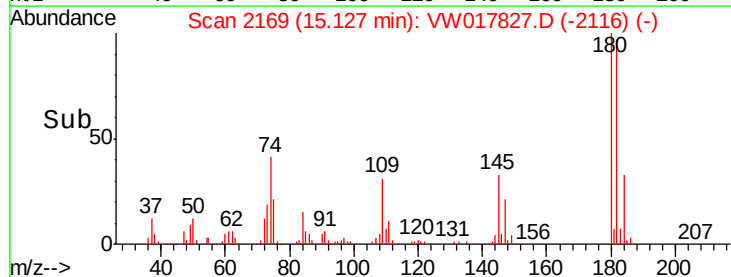
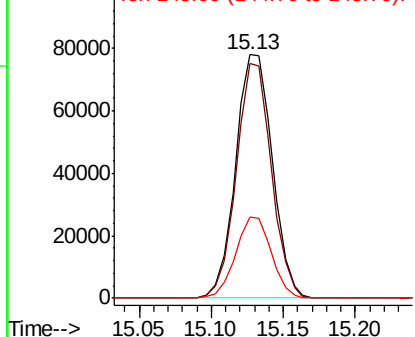


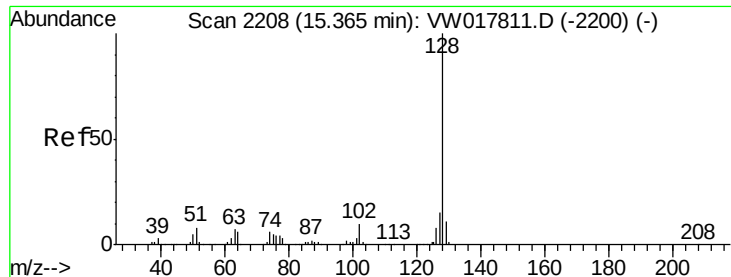
Abundance

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: 25.776 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

Instrument :

MSVOA_W

ClientSampleId :

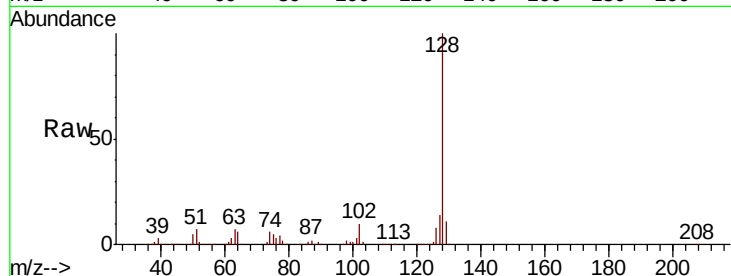
Tot Ion:128 Resp: 264138

Ion Ratio Lower Upper

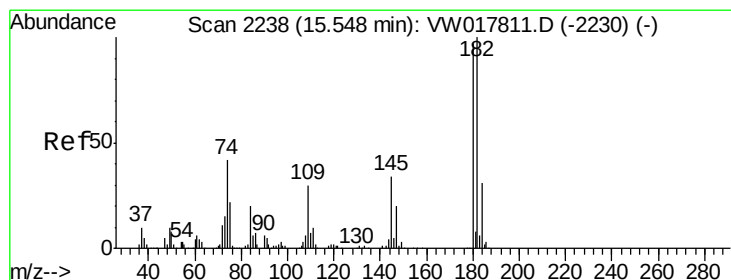
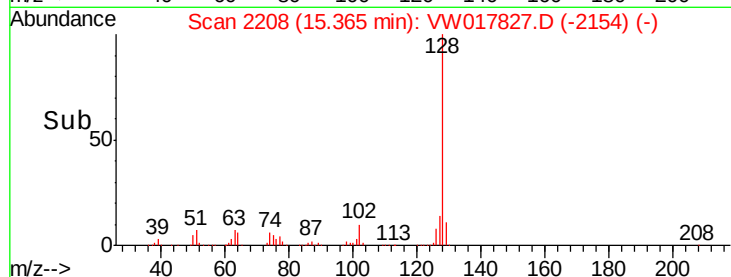
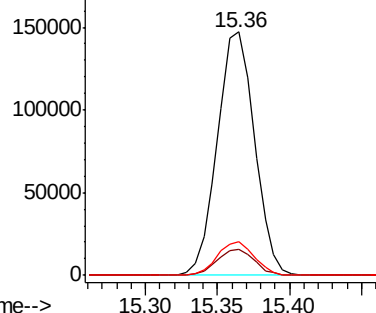
128 100

129 10.7 8.8 13.2

127 13.6 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.481 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017827.D

Acq: 12 Jan 2021 10:14

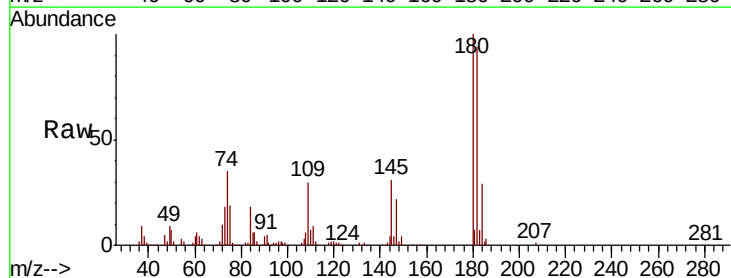
Tgt Ion:180 Resp: 115787

Ion Ratio Lower Upper

180 100

182 96.6 74.8 112.2

145 34.1 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

