

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011521\
 Data File : VW017893.D
 Acq On : 15 Jan 2021 12:37
 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 18 02:02:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 18 01:59:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	315000	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	290533	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	143968	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	112243	23.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.12%
7) Chloroethane-d5	2.89	69	103909	25.83	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.32%
10) 1,1-Dichloroethene-d2	4.02	63	214106	25.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.84%
20) 2-Butanone-d5	7.07	46	25287	32.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.02%
24) Chloroform-d	7.65	84	229766	27.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.64%
26) 1,2-Dichloroethane-d4	8.31	65	118713	27.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.44%
29) Benzene-d6	8.27	84	427640	26.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.52%
33) 1,2-Dichloropropane-d6	9.27	67	121604	26.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.84%
37) Toluene-d8	10.32	98	402545	25.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.44%
38) trans-1,3-Dichloropropene-	10.58	79	49158	24.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.80%
39) 2-Hexanone-d5	10.93	63	30503	53.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	94974	28.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	127974	25.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	67053	19.280	ug/L 99
3) Chloromethane	2.21	50	73672	23.832	ug/L 97
5) Vinyl chloride	2.37	62	127984	24.472	ug/L 98
6) Bromomethane	2.78	94	95671	24.670	ug/L 100
8) Chloroethane	2.92	64	85323	26.022	ug/L 99
9) Trichlorofluoromethane	3.26	101	97167	22.646	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	104487	26.092	ug/L # 72
12) 1,1-Dichloroethene	4.04	96	96277	24.800	ug/L 92
13) Acetone	4.13	43	28851	42.295	ug/L 93
14) Carbon disulfide	4.39	76	256683	22.143	ug/L 99
15) Methyl Acetate	4.67	43	35148	26.585	ug/L 95
16) Methylene chloride	4.91	84	104862	23.279	ug/L 88
17) Methyl tert-butyl Ether	5.42	73	118587	24.103	ug/L 96
18) trans-1,2-Dichloroethene	5.42	96	103727	24.772	ug/L 95
19) 1,1-Dichloroethane	6.21	63	194376	27.170	ug/L 100
21) 2-Butanone	7.17	43	46707	50.905	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	109745	24.942	ug/L 92

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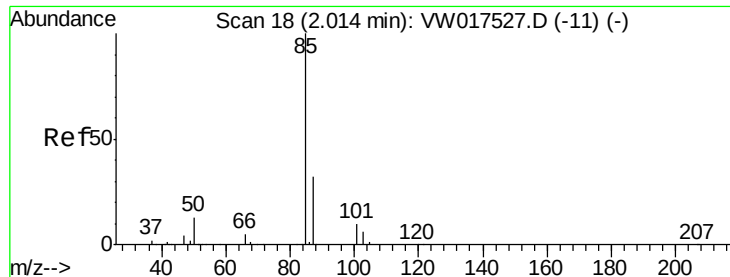
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 18 02:02:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

23) Bromochloromethane	7.51	128	46937	25.182	ug/L #	80
25) Chloroform	7.67	83	204019	27.103	ug/L	98
27) 1,2-Dichloroethane	8.40	62	133123	27.339	ug/L #	94
30) Cyclohexane	7.95	56	171024	24.731	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	167607	25.079	ug/L	95
32) Carbon tetrachloride	8.07	117	160287	25.422	ug/L	97
34) Benzene	8.32	78	433937	26.122	ug/L	100
35) Trichloroethene	9.09	95	118231	25.713	ug/L	92
36) Methylcyclohexane	9.34	83	201560	25.076	ug/L	97
40) 1,2-Dichloropropane	9.37	63	104984	26.771	ug/L	98
41) Bromodichloromethane	9.64	83	143243	26.684	ug/L #	99
42) cis-1,3-Dichloropropene	10.07	75	162457	25.960	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	99798	52.381	ug/L	95
44) Toluene	10.38	91	485669	25.639	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	135952	25.512	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	73887	25.348	ug/L	98
47) Tetrachloroethene	10.86	164	88867	24.720	ug/L	96
49) 2-Hexanone	10.97	43	66163	48.946	ug/L	93
50) Dibromochloromethane	11.13	129	86944	25.124	ug/L	98
51) 1,2-Dibromoethane	11.23	107	69487	25.180	ug/L #	99
52) Chlorobenzene	11.65	112	300098	25.378	ug/L	95
53) Ethylbenzene	11.73	91	562697	26.181	ug/L	100
54) m,p-Xylene	11.84	106	209796	24.953	ug/L	97
55) o-xylene	12.16	106	195457	24.720	ug/L	96
56) Styrene	12.18	104	337141	25.634	ug/L	94
57) Isopropylbenzene	12.46	105	568499	25.970	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	85807	26.374	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	62684	26.210	ug/L	98
62) Bromoform	12.35	173	42221	23.968	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	227027	25.549	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	219068	24.532	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	196660	25.187	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	12609	24.519	ug/L #	73
67) 1,3,5-Trichlorobenzene	14.63	180	161933	26.582	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	126126	25.154	ug/L	94
69) Naphthalene	15.36	128	223154	23.370	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	101620	24.000	ug/L	93

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



#2

Dichlorodifluoromethane

Concen: 19.280 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

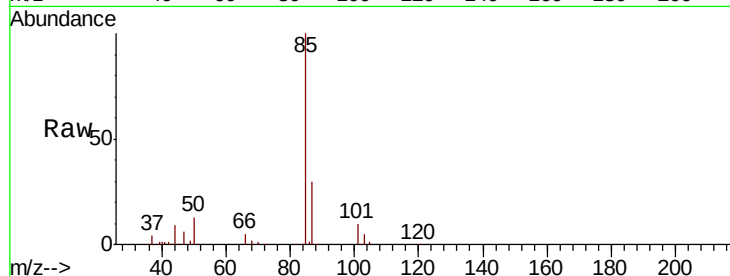
ClientSampleId :

Tot Ion: 85 Resp: 67053

Ion Ratio Lower Upper

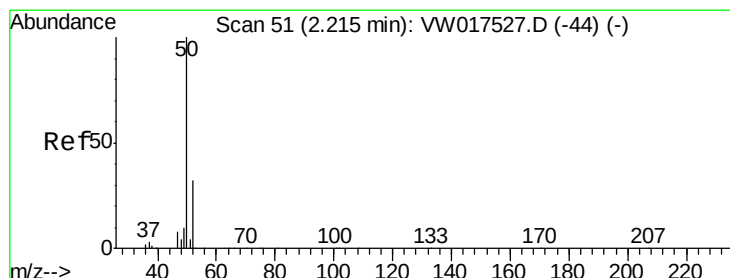
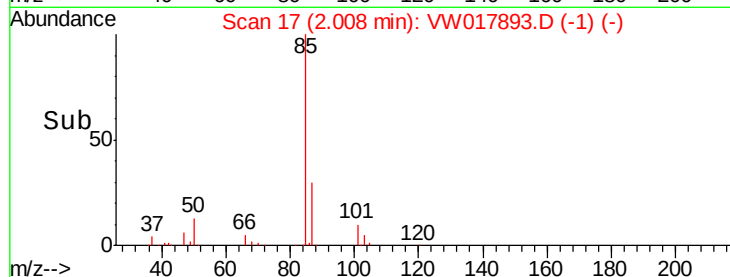
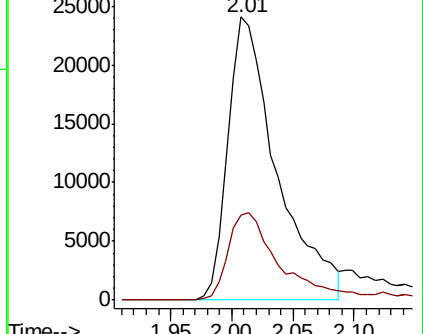
85 100

87 32.6 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.832 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW017893.D

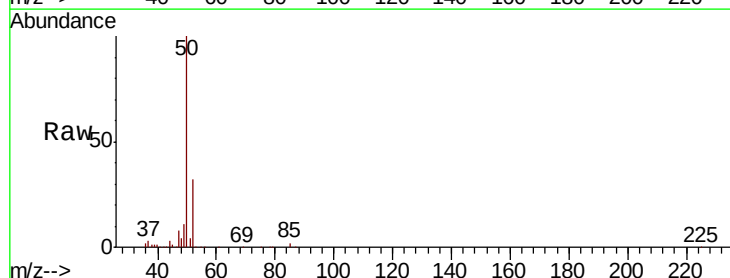
Acq: 15 Jan 2021 12:37

Tgt Ion: 50 Resp: 73672

Ion Ratio Lower Upper

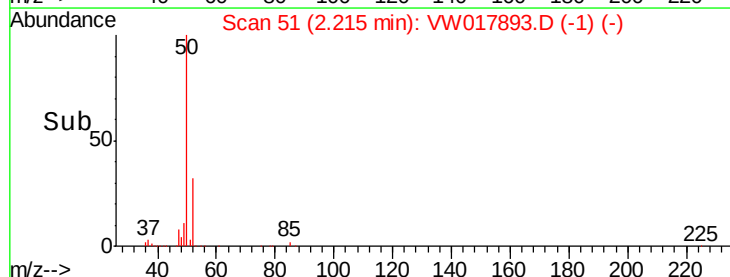
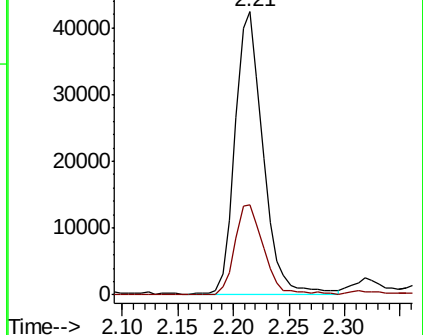
50 100

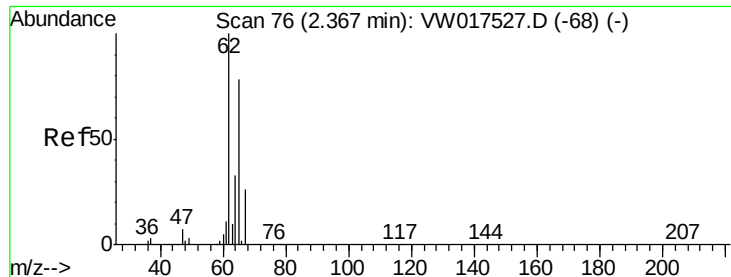
52 32.0 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.472 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

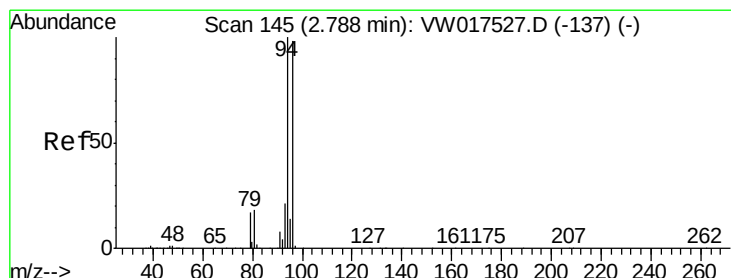
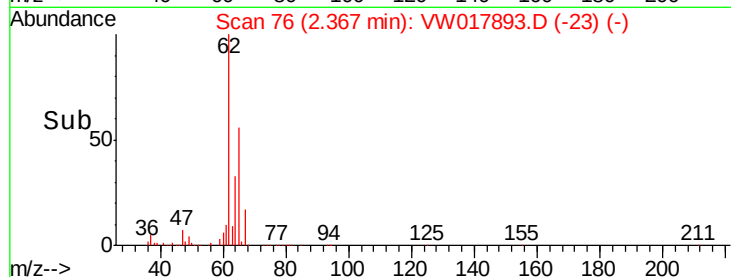
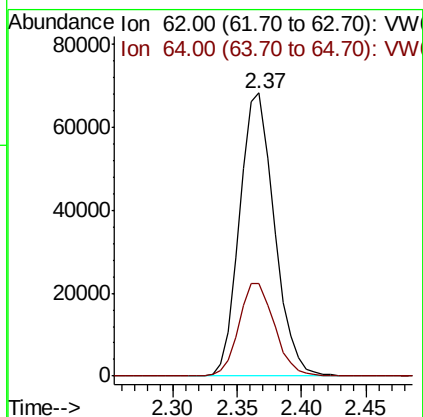
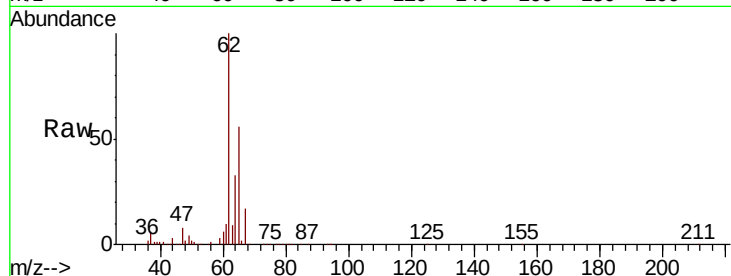
ClientSampleId :

Tot Ion: 62 Resp: 127984

Ion Ratio Lower Upper

62 100

64 32.9 23.9 44.5



#6

Bromomethane

Concen: 24.670 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017893.D

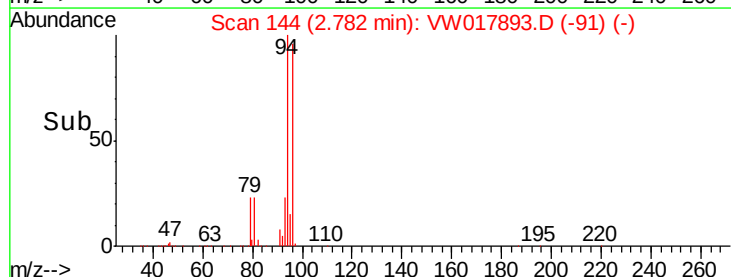
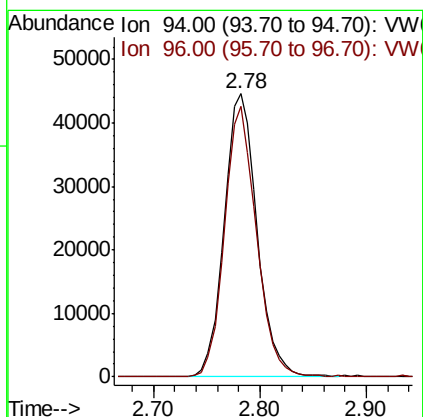
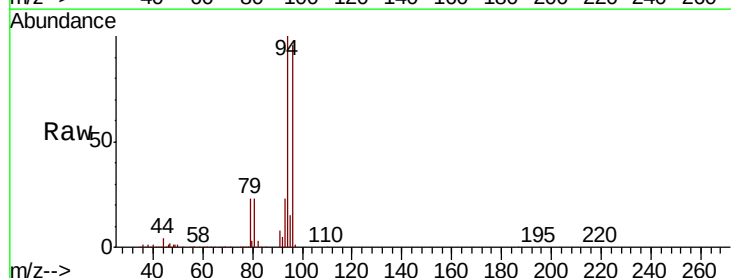
Acq: 15 Jan 2021 12:37

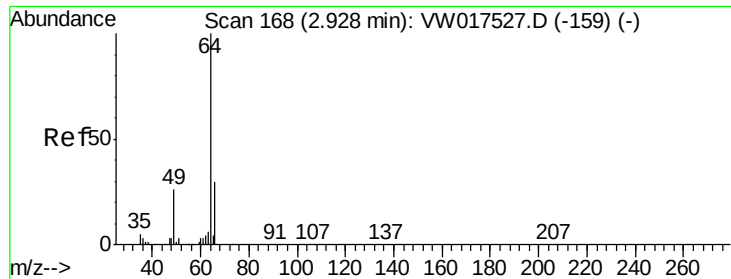
Tgt Ion: 94 Resp: 95671

Ion Ratio Lower Upper

94 100

96 93.3 9.4 178.0





#8

Chloroethane

Concen: 26.022 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

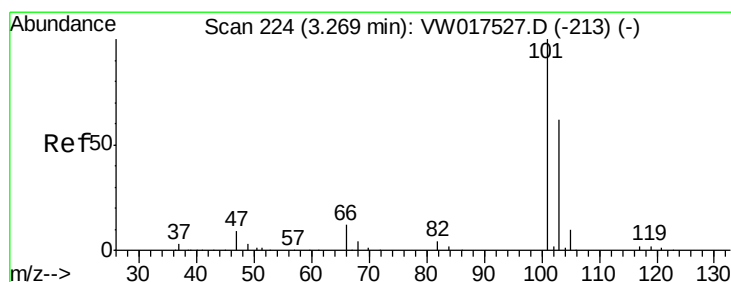
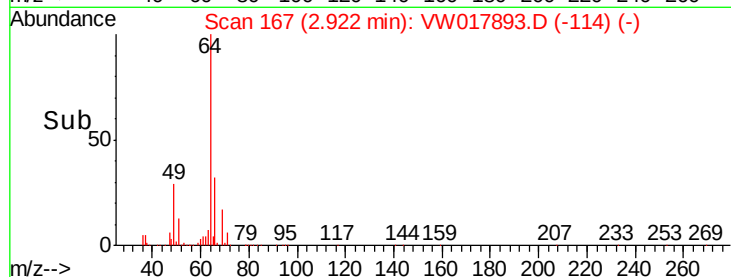
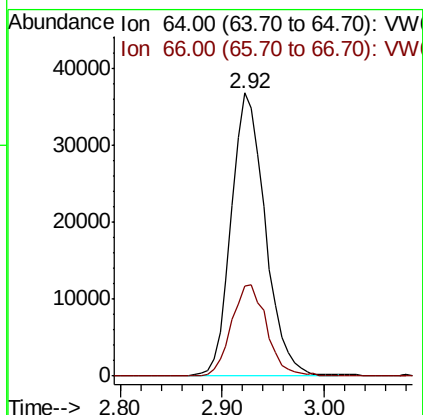
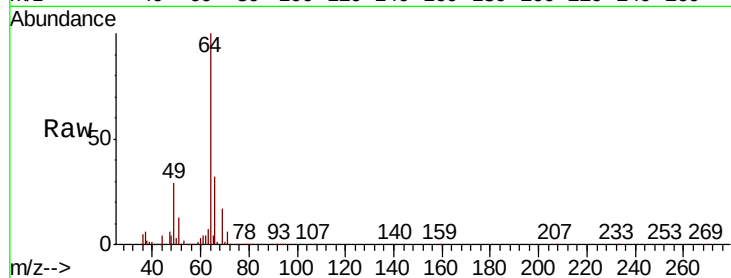
ClientSampled :

Tot Ion: 64 Resp: 85323

Ion Ratio Lower Upper

64 100

66 31.8 22.0 41.0



#9

Trichlorofluoromethane

Concen: 22.646 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW017893.D

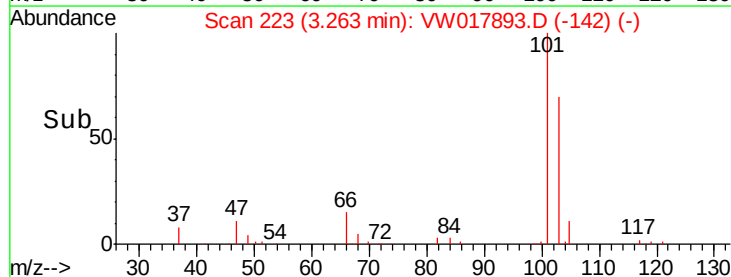
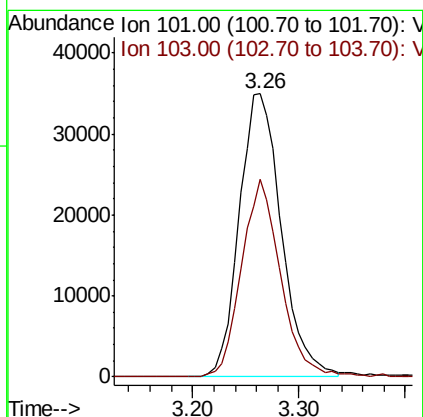
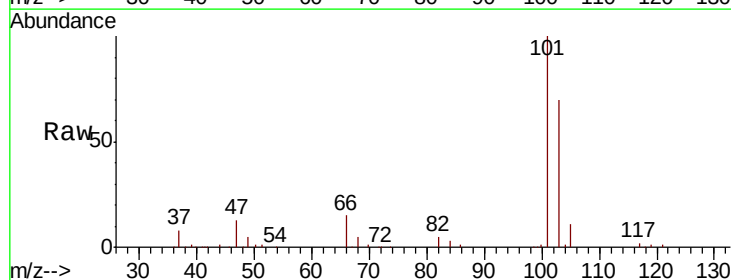
Acq: 15 Jan 2021 12:37

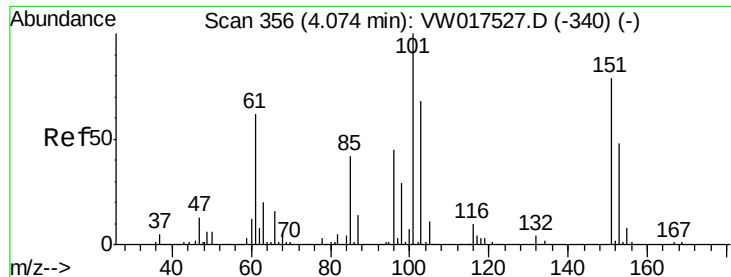
Tgt Ion: 101 Resp: 97167

Ion Ratio Lower Upper

101 100

103 64.7 45.0 83.6





#11

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

Concen: 26.092 ug/L

RT: 4.07 min Scan# 355

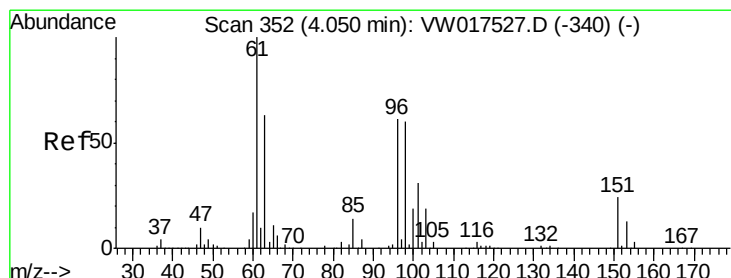
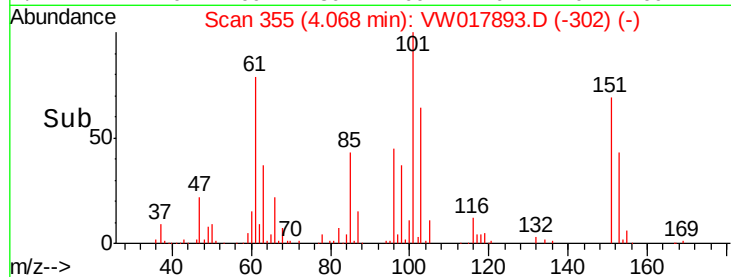
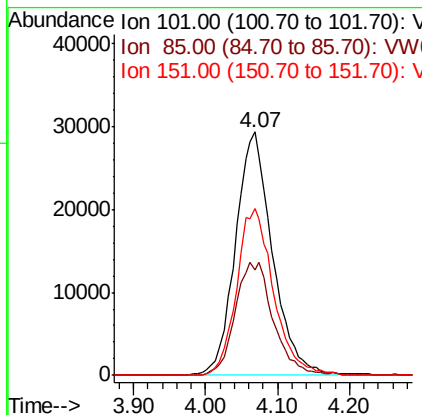
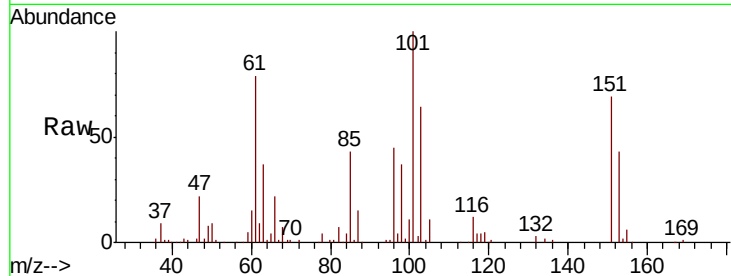
Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	101	Resp:	104487
Ion	Ratio	Lower	Upper
101	100		
85	47.9	34.2	51.4
151	68.4	30.4	45.6#



#12

1,1-Dichloroethene

Concen: 24.800 ug/L

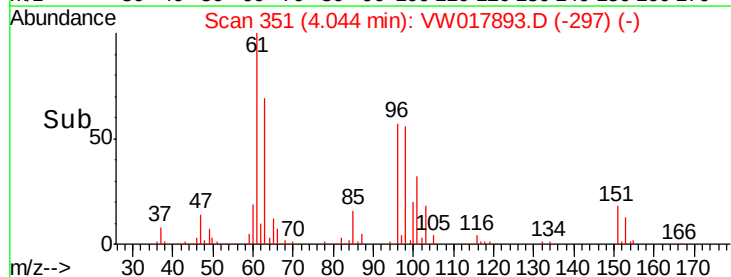
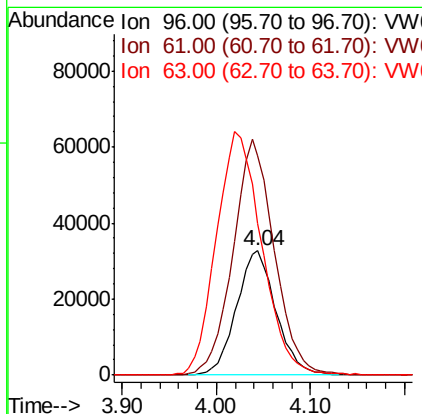
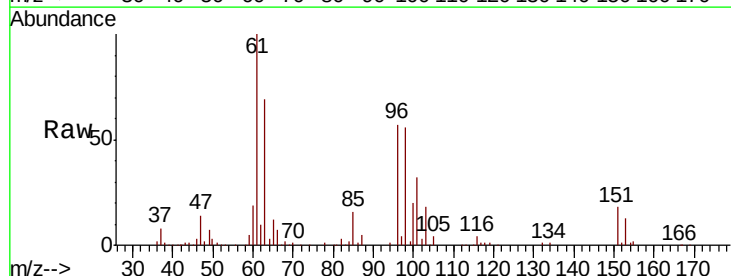
RT: 4.04 min Scan# 351

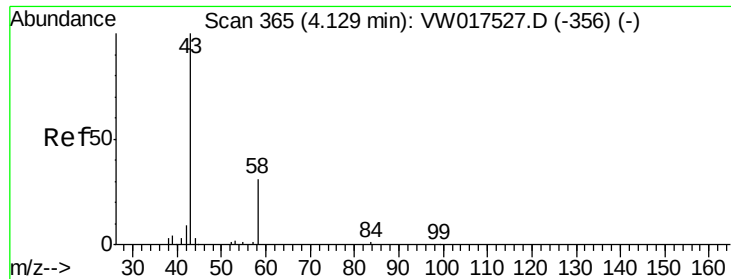
Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Tgt Ion:	96	Resp:	96277
Ion	Ratio	Lower	Upper
96	100		
61	177.0	112.5	208.9
63	121.5	83.1	154.3





#13

Acetone

Concen: 42.295 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

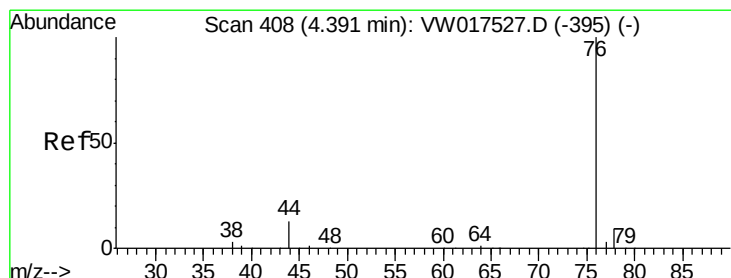
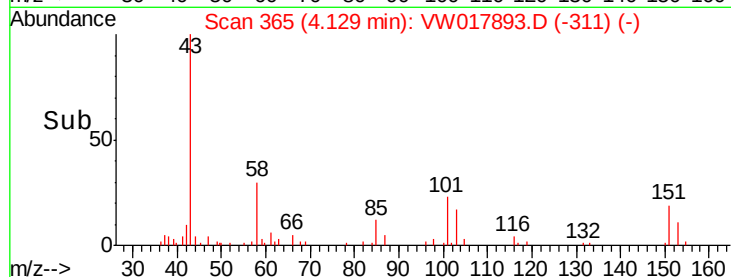
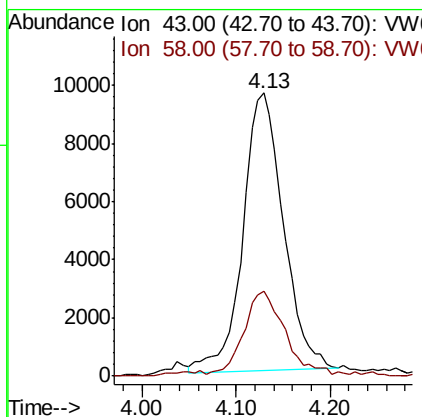
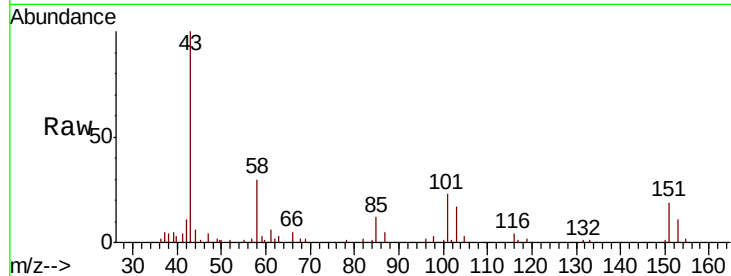
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 28851

Ion Ratio Lower Upper

43 100

58 30.4 0.0 68.4



#14

Carbon disulfide

Concen: 22.143 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017893.D

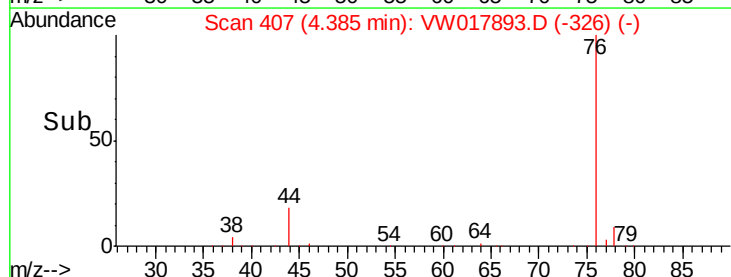
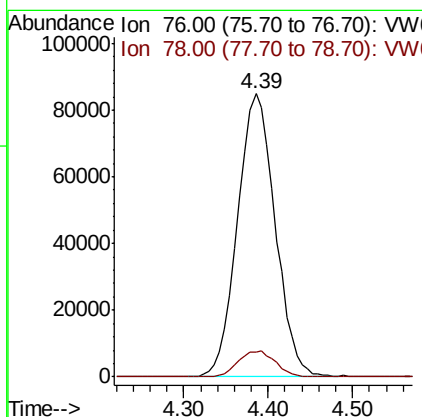
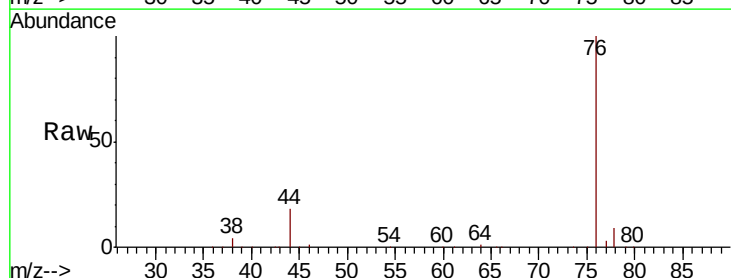
Acq: 15 Jan 2021 12:37

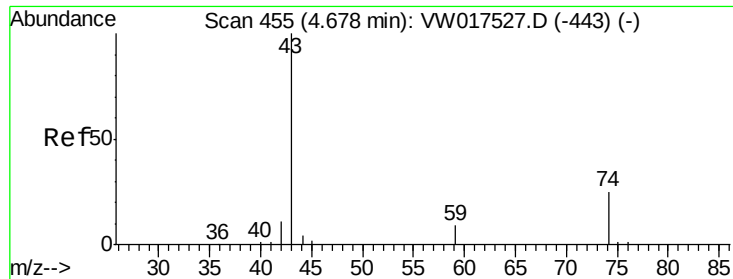
Tgt Ion: 76 Resp: 256683

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

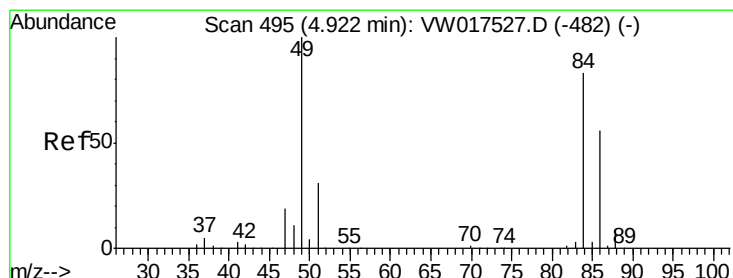
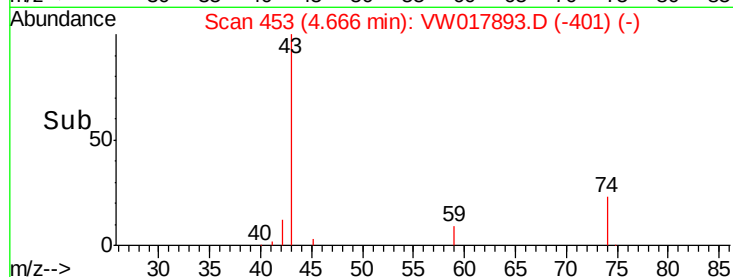
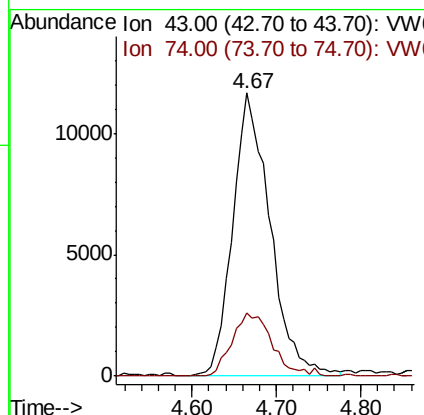
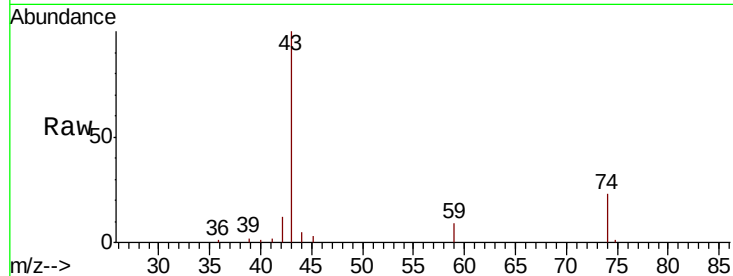




#15
Methvl Acetate
Concen: 26.585 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

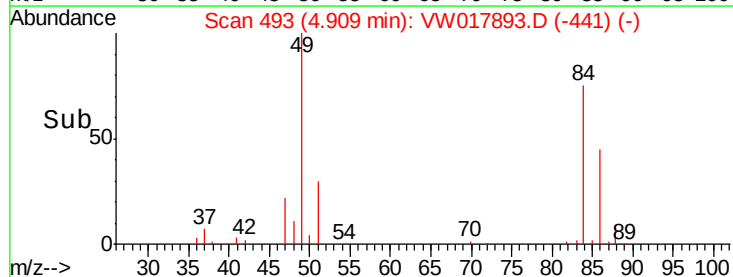
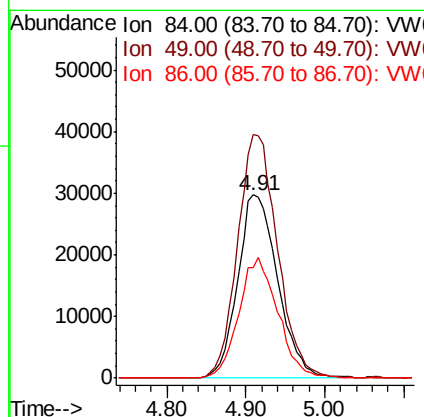
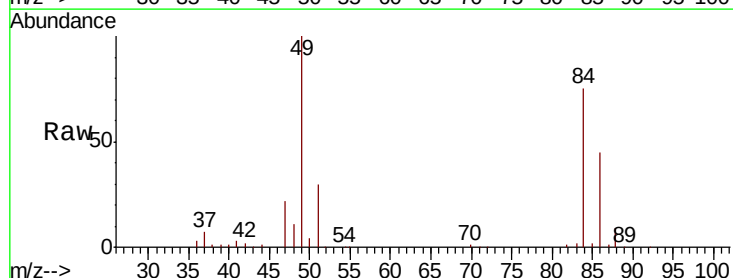
Instrument :
MSVOA_W
ClientSampled :

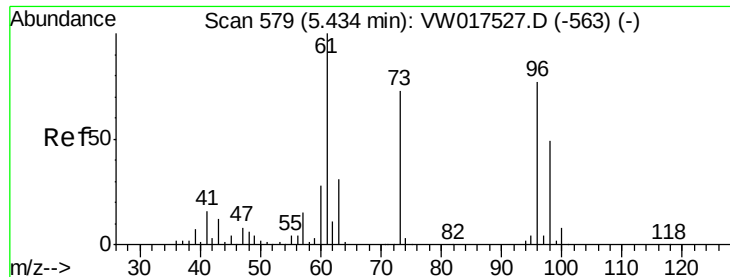
Tot Ion: 43 Resp: 35148
Ion Ratio Lower Upper
43 100
74 23.2 20.7 31.1



#16
Methylene chloride
Concen: 23.279 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

Tgt Ion: 84 Resp: 104862
Ion Ratio Lower Upper
84 100
49 133.1 81.2 150.8
86 60.3 44.5 82.7

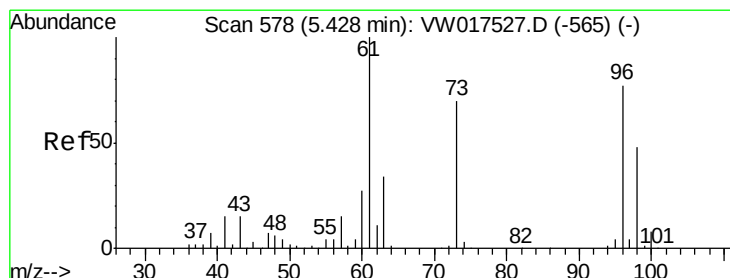
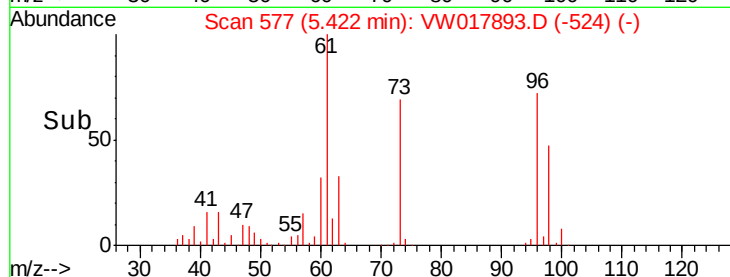
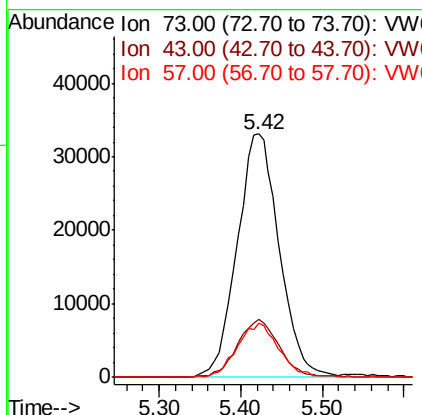
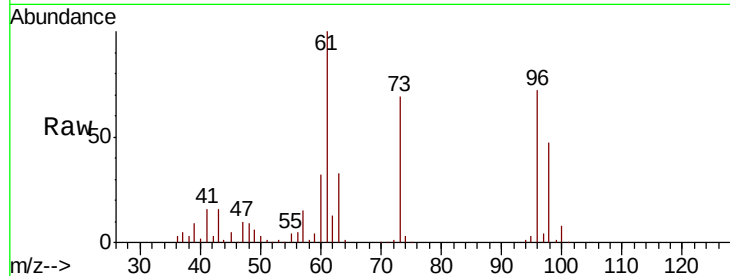




#17
Methyl tert-butyl Ether
Concen: 24.103 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

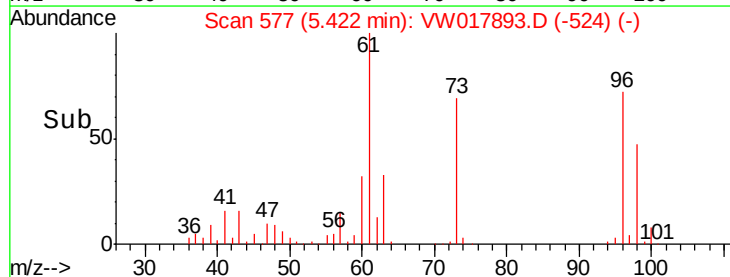
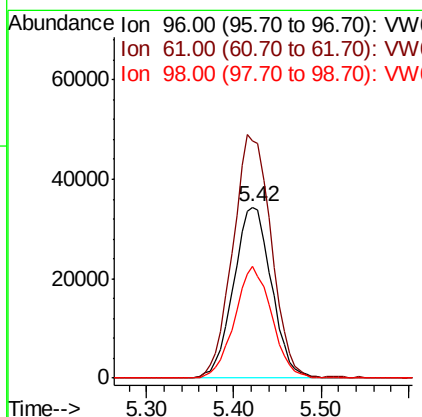
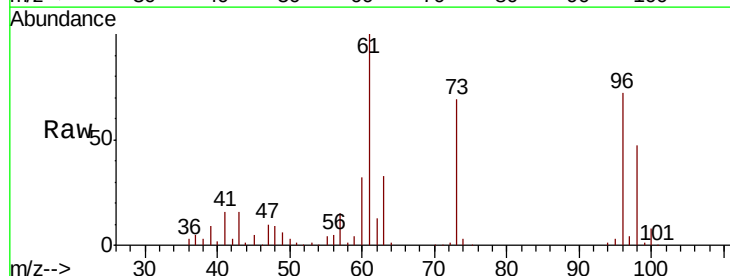
Instrument :
MSVOA_W
ClientSampleId :

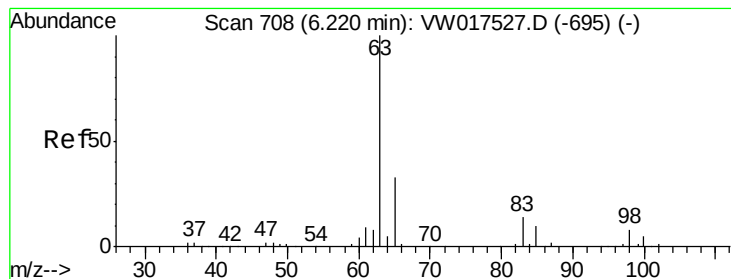
Tot Ion: 73 Resp: 118587
Ion Ratio Lower Upper
73 100
43 23.4 16.2 24.4
57 21.0 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 24.772 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

Tgt Ion: 96 Resp: 103727
Ion Ratio Lower Upper
96 100
61 138.8 92.7 172.1
98 65.1 43.3 80.3





#19

1,1-Dichloroethane

Concen: 27.170 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampleId :

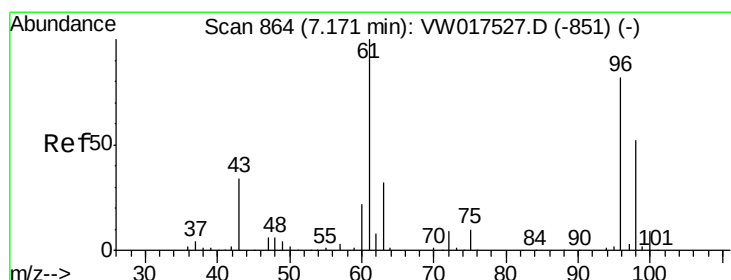
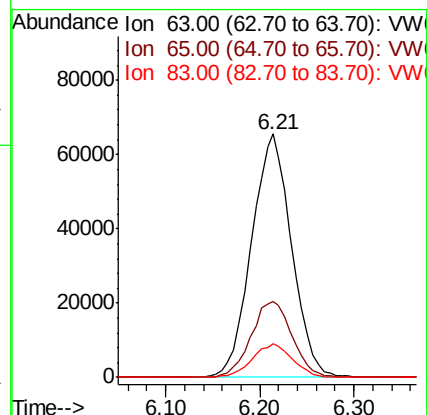
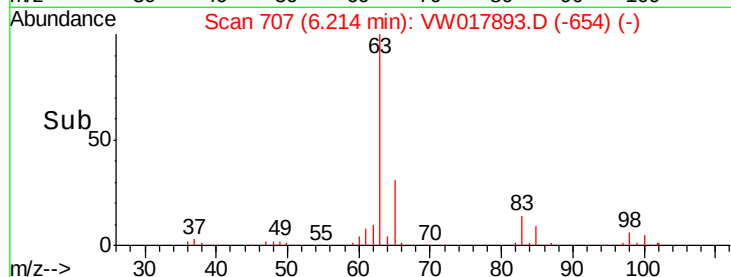
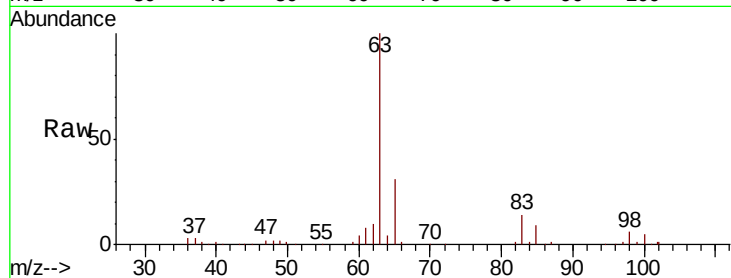
Tot Ion: 63 Resp: 194376

Ion Ratio Lower Upper

63 100

65 31.1 21.9 40.7

83 13.7 9.4 17.6



#21

2-Butanone

Concen: 50.905 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017893.D

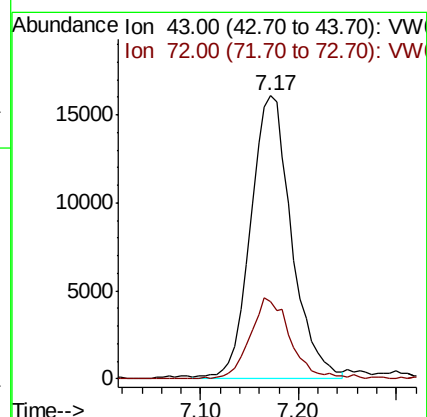
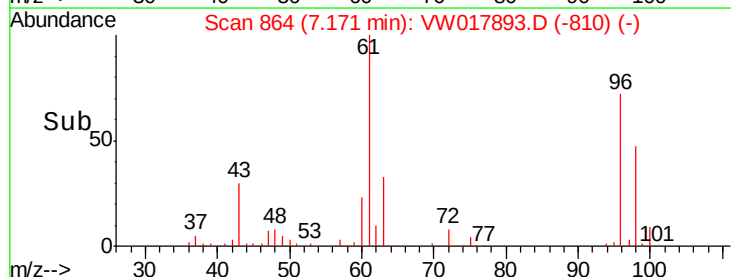
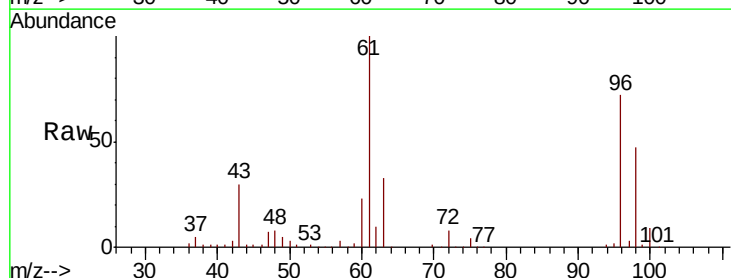
Acq: 15 Jan 2021 12:37

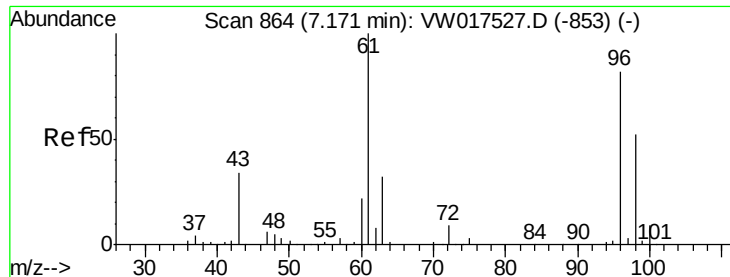
Tgt Ion: 43 Resp: 46707

Ion Ratio Lower Upper

43 100

72 27.4 14.4 43.2



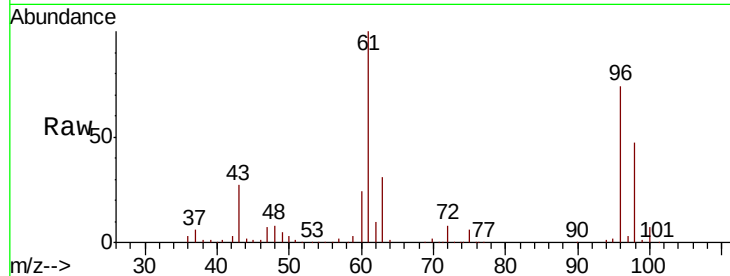


#22

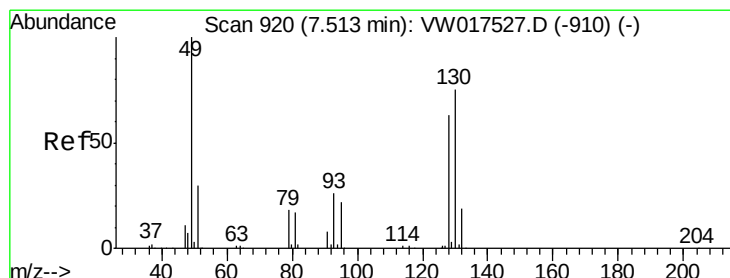
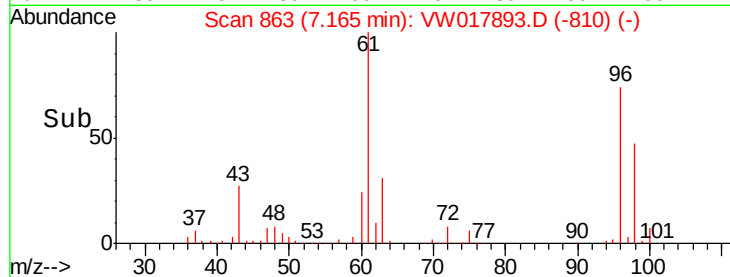
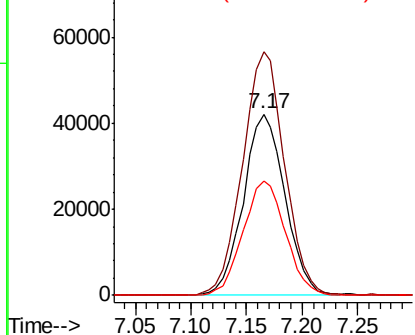
cis-1,2-Dichloroethene
Concen: 24.942 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 109745
Ion Ratio Lower Upper
96 100
61 134.6 84.6 157.2
98 63.4 44.7 82.9



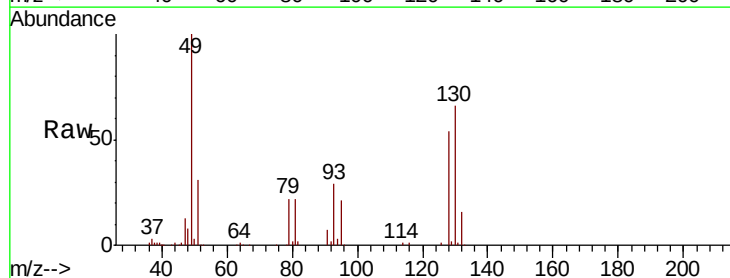
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



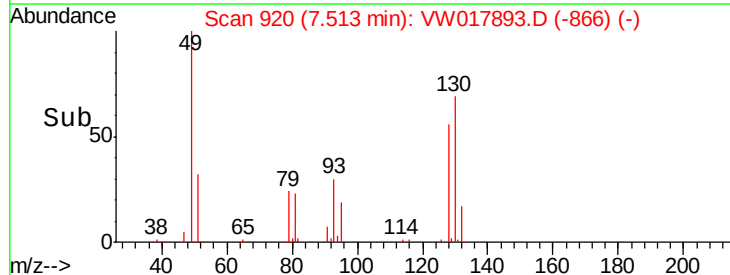
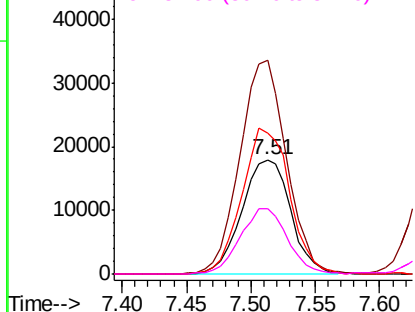
#23

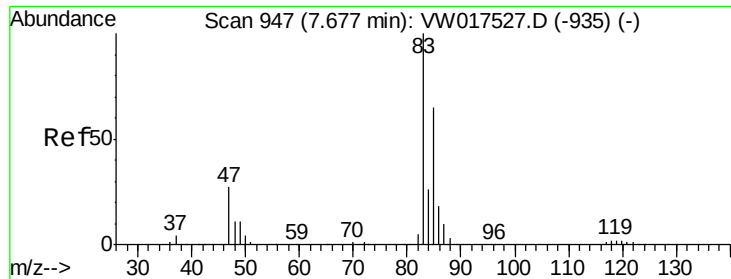
Bromochloromethane
Concen: 25.182 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

Tgt Ion: 128 Resp: 46937
Ion Ratio Lower Upper
128 100
49 186.6 101.6 188.6
130 122.6 90.4 167.8
51 57.4 37.7 56.5#



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

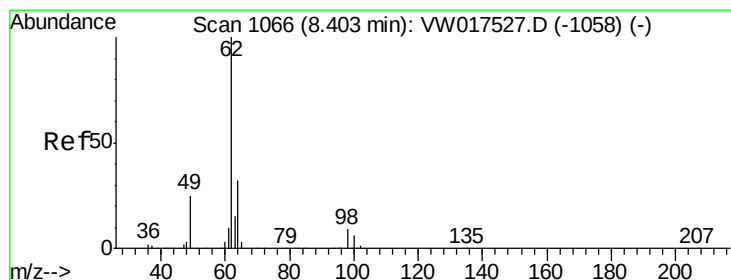
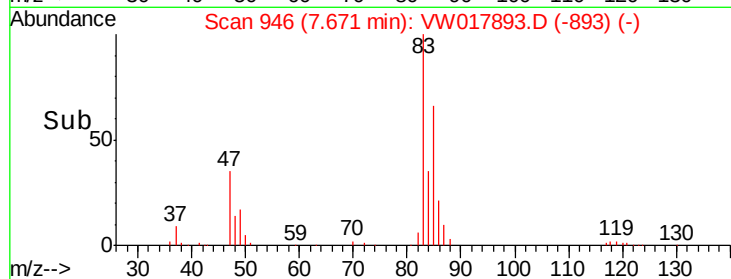
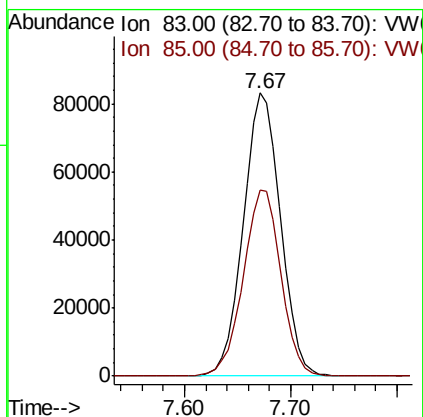
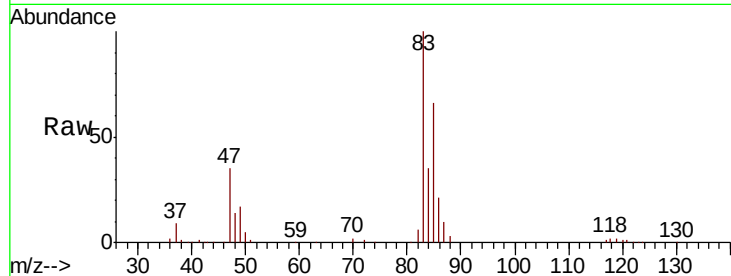




#25
Chloroform
Concen: 27.103 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

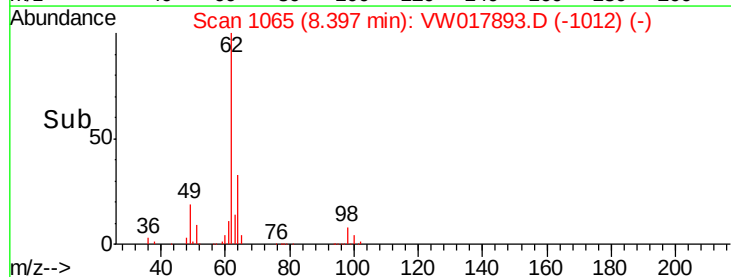
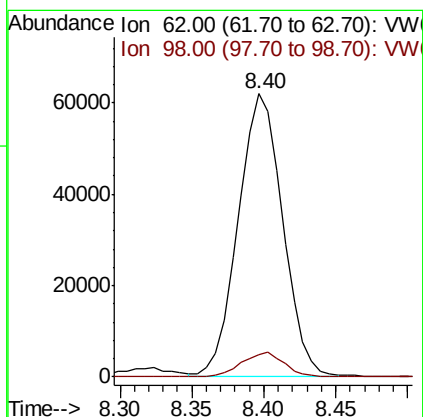
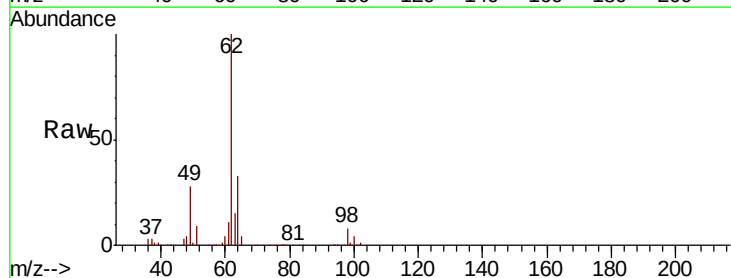
Instrument :
MSVOA_W
ClientSampleId :

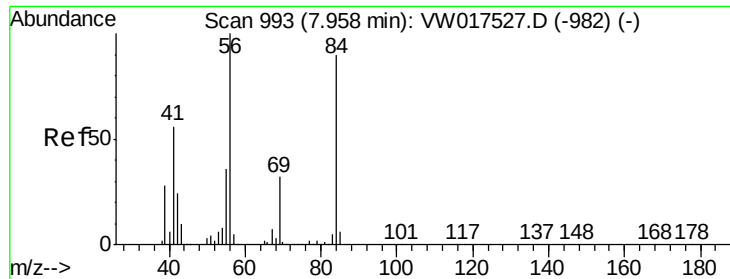
Tot Ion: 83 Resp: 204019
Ion Ratio Lower Upper
83 100
85 66.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 27.339 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

Tgt Ion: 62 Resp: 133123
Ion Ratio Lower Upper
62 100
98 7.8 8.0 12.0#

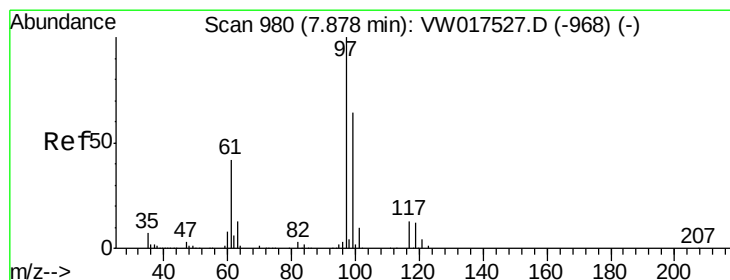
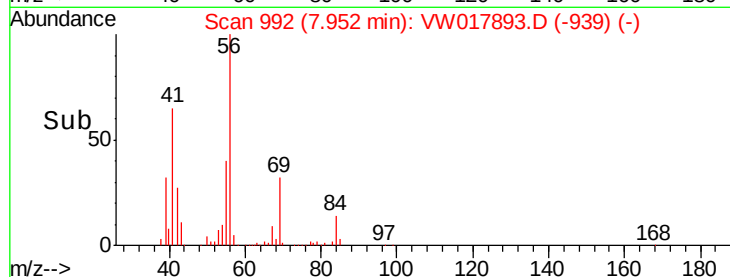
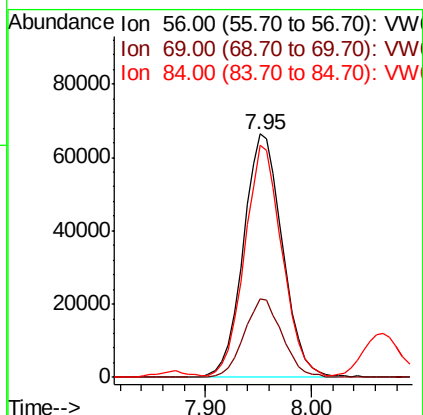
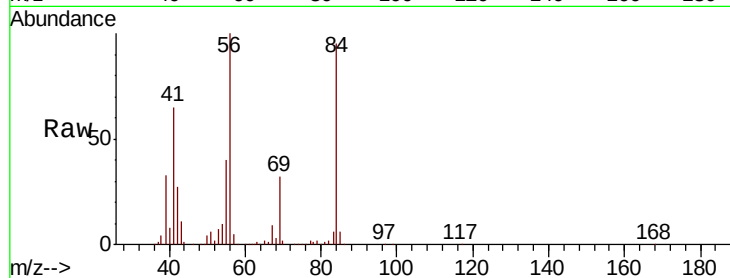




#30
Cyclohexane
Concen: 24.731 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

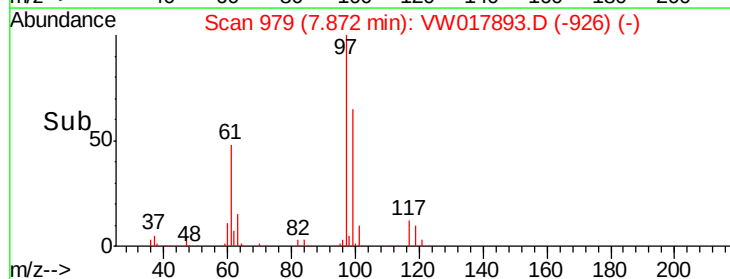
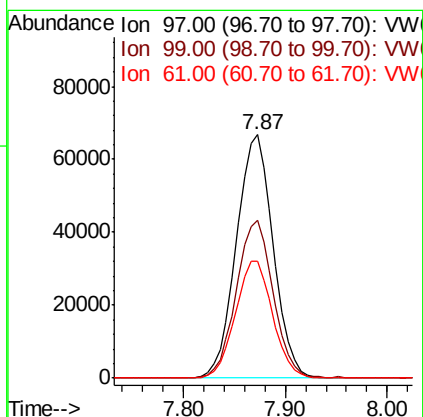
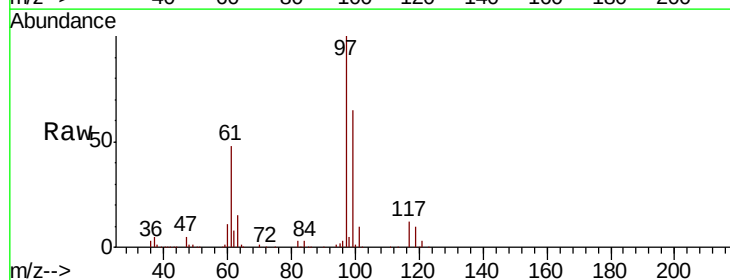
Instrument :
MSVOA_W
ClientSampleId :

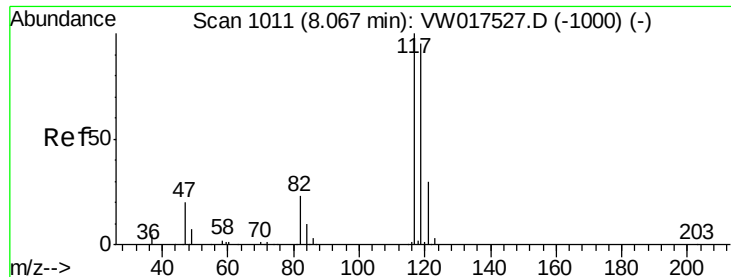
Tot Ion: 56 Resp: 171024
Ion Ratio Lower Upper
56 100
69 31.3 24.8 37.2
84 91.7 74.2 111.4



#31
1,1,1-Trichloroethane
Concen: 25.079 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

Tgt Ion: 97 Resp: 167607
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.4
61 48.6 33.6 50.4





#32

Carbon tetrachloride

Concen: 25.422 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

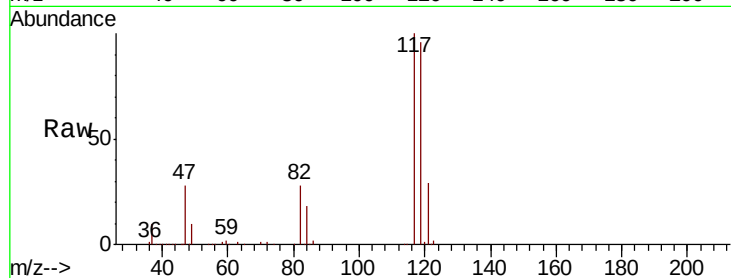
ClientSampleId :

Tot Ion:117 Resp: 160287

Ion Ratio Lower Upper

117 100

119 97.3 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

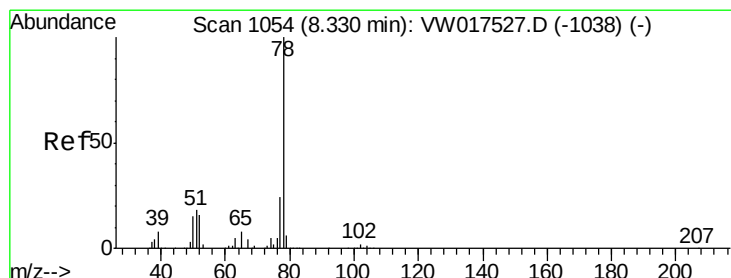
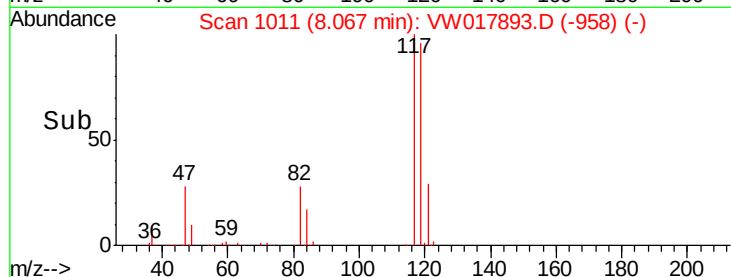
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 26.122 ug/L

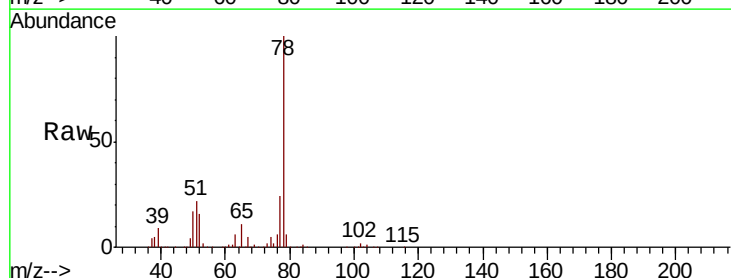
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Tgt Ion: 78 Resp: 433937



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

200000

150000

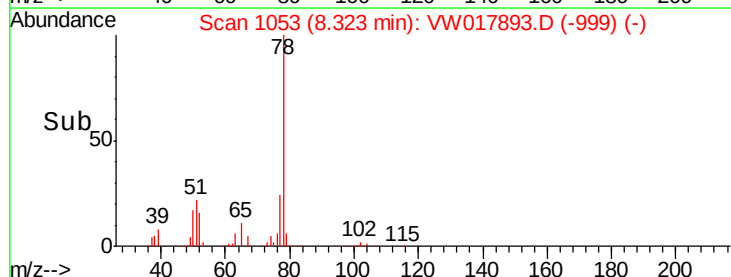
100000

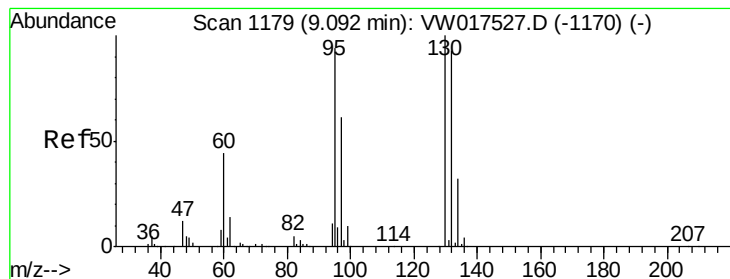
50000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 25.713 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 118231

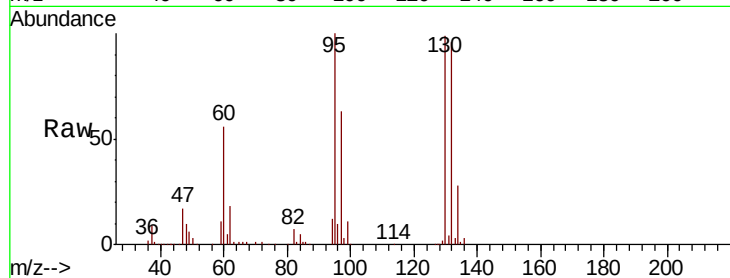
Ion Ratio Lower Upper

95 100

97 63.5 45.0 83.6

132 92.7 71.0 131.8

130 96.8 75.6 140.4

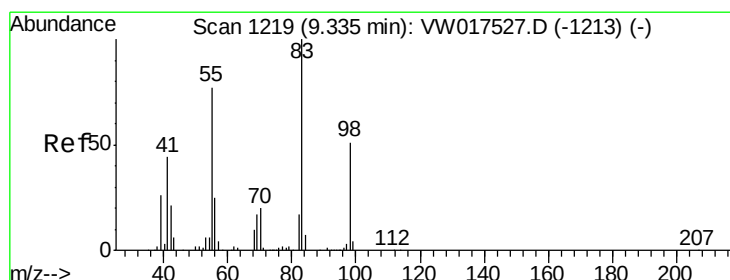
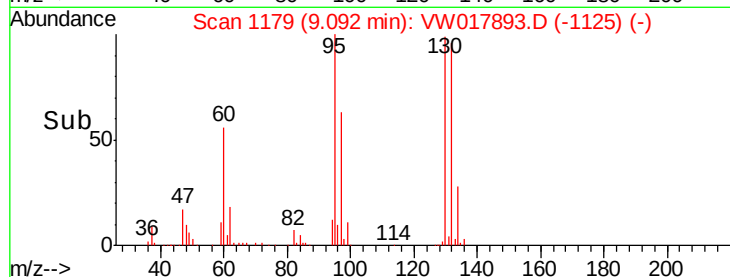
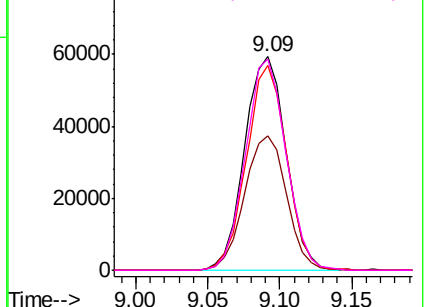


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.076 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

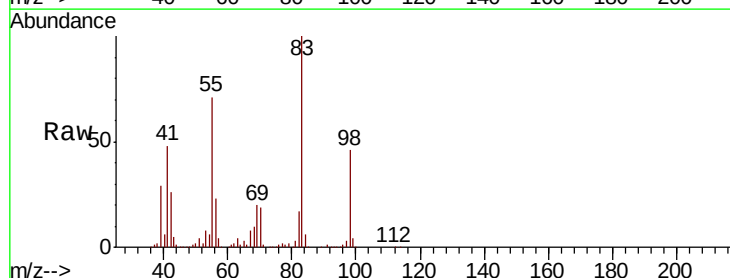
Tgt Ion: 83 Resp: 201560

Ion Ratio Lower Upper

83 100

55 76.2 59.4 89.0

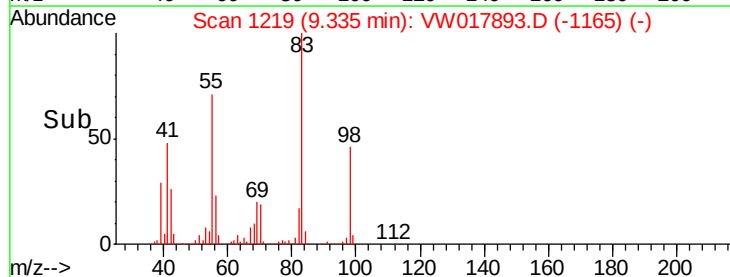
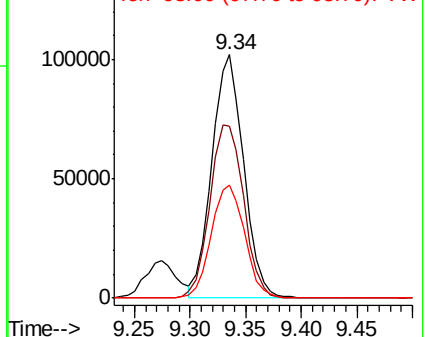
98 48.6 40.7 61.1

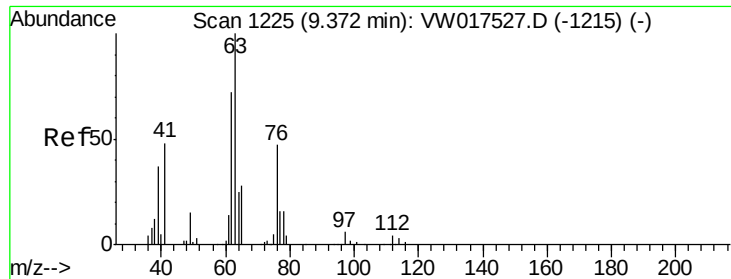


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 26.771 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

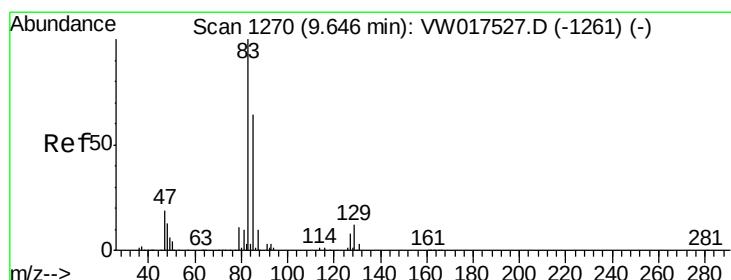
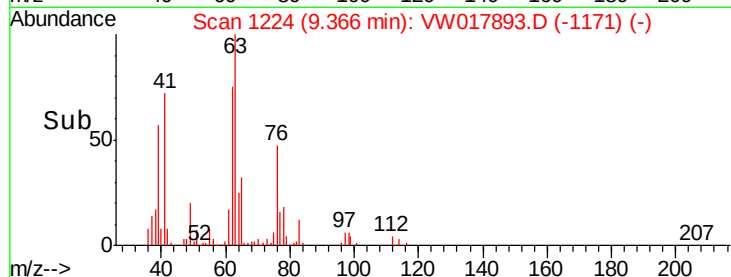
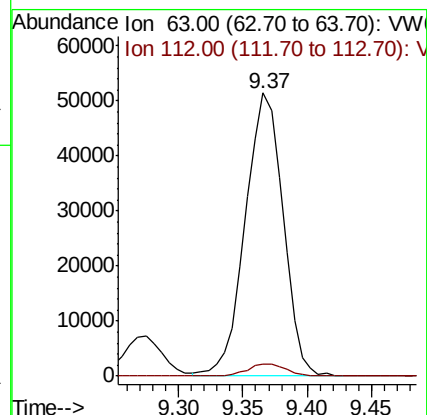
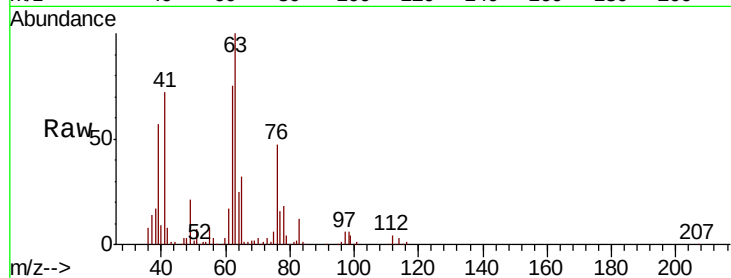
ClientSampleId :

Tot Ion: 63 Resp: 104984

Ion Ratio Lower Upper

63 100

112 4.5 4.2 6.4



#41

Bromodichloromethane

Concen: 26.684 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

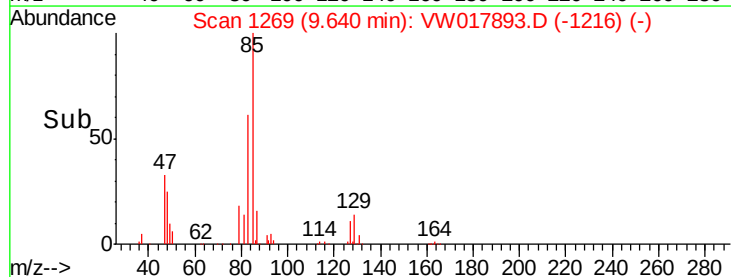
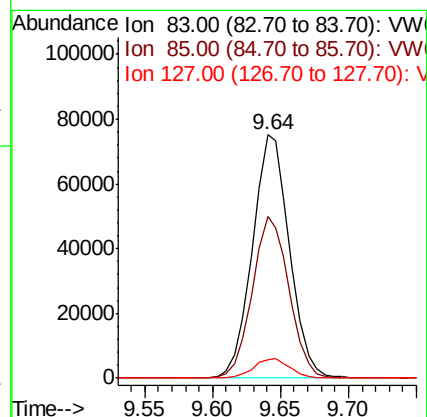
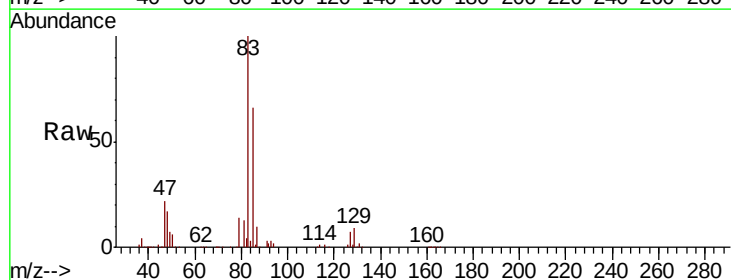
Tgt Ion: 83 Resp: 143243

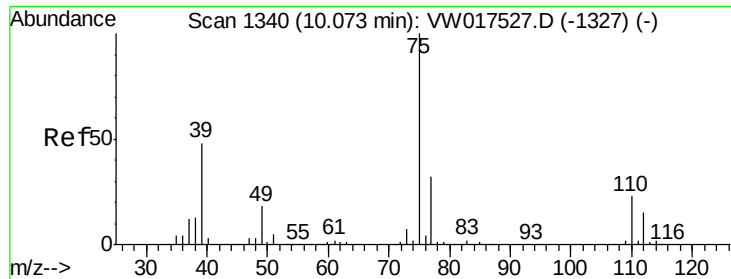
Ion Ratio Lower Upper

83 100

85 66.2 46.8 86.8

127 7.4 7.6 11.4#

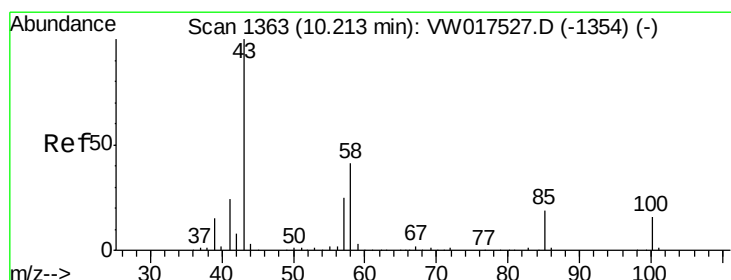
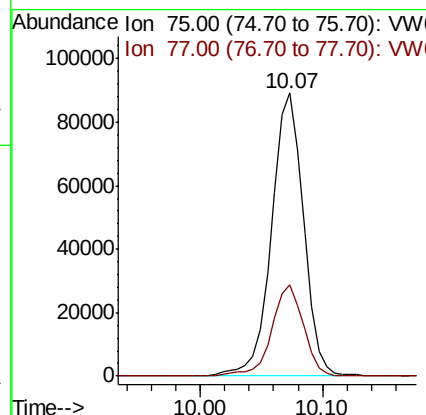
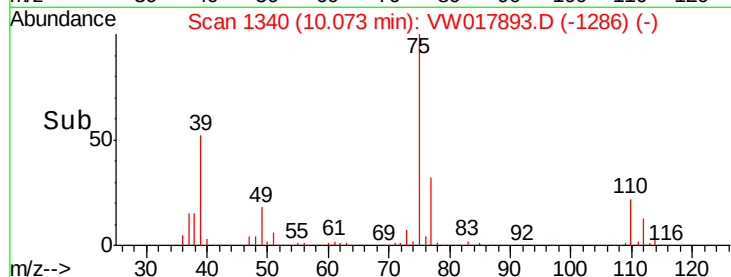
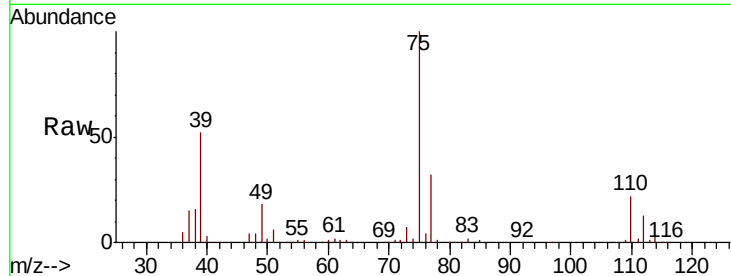




#42
 cis-1,3-Dichloropropene
 Concen: 25.960 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

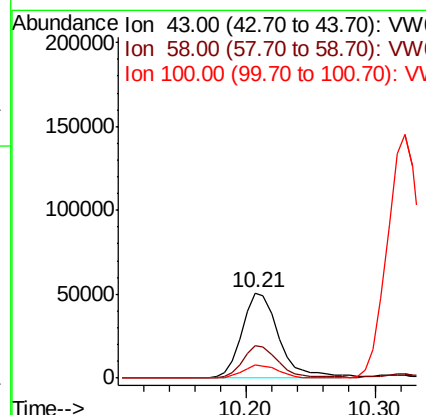
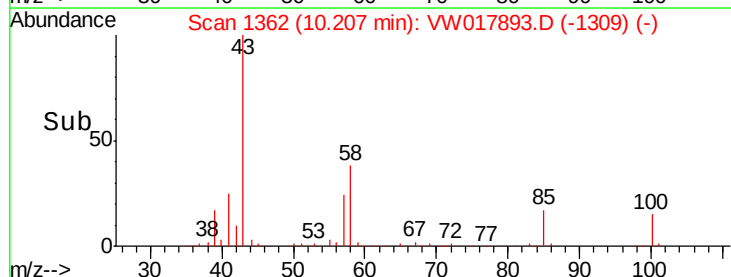
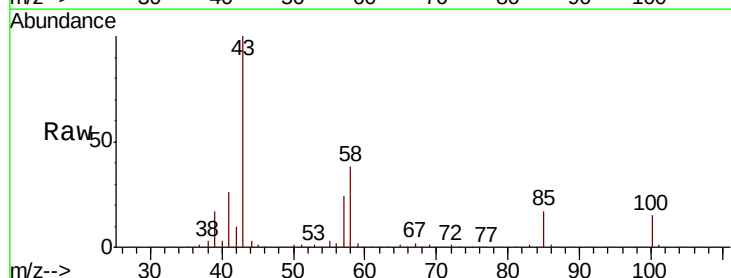
Instrument :
 MSVOA_W
 ClientSampled :

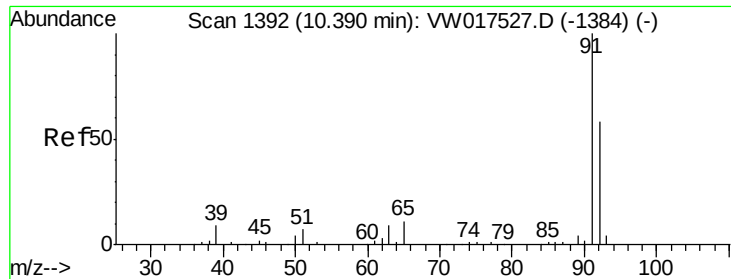
Tot Ion: 75 Resp: 162457
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.7 42.3



#43
 4-Methyl-2-pentanone
 Concen: 52.381 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

Tgt Ion: 43 Resp: 99798
 Ion Ratio Lower Upper
 43 100
 58 36.8 31.6 47.4
 100 14.9 14.1 21.1





#44

Toluene

Concen: 25.639 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

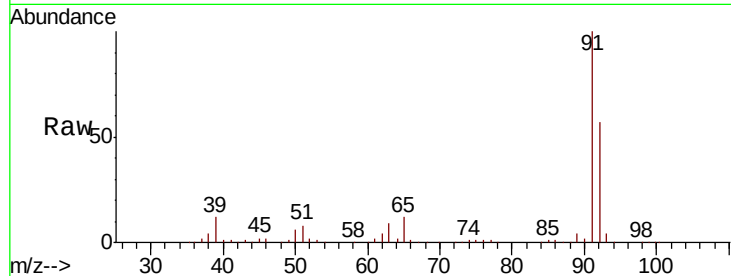
ClientSampled :

Tot Ion: 91 Resp: 485669

Ion Ratio Lower Upper

91 100

92 56.7 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

250000

200000

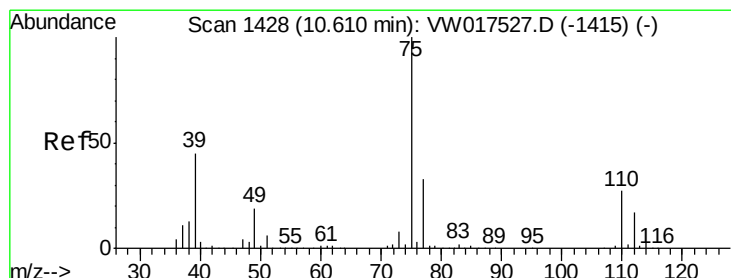
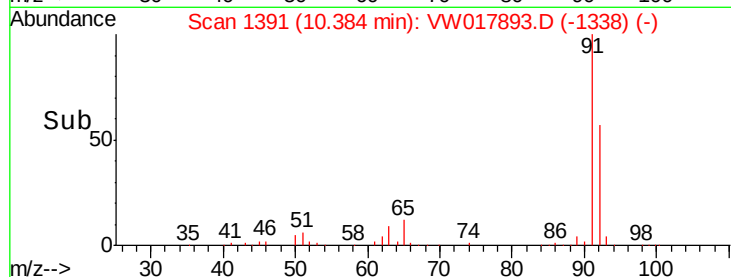
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.512 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW017893.D

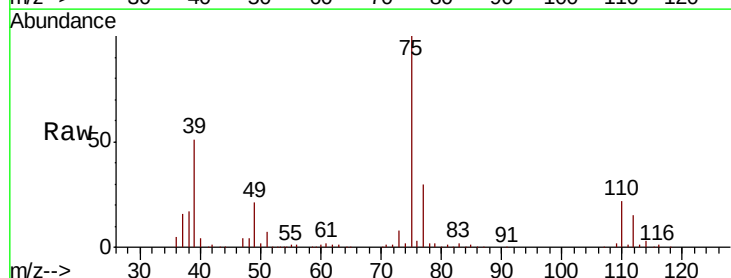
Acq: 15 Jan 2021 12:37

Tgt Ion: 75 Resp: 135952

Ion Ratio Lower Upper

75 100

77 30.0 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

80000

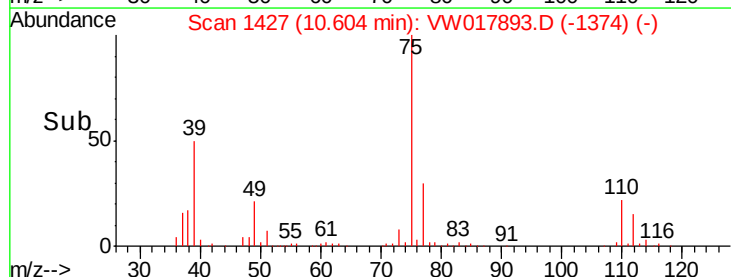
60000

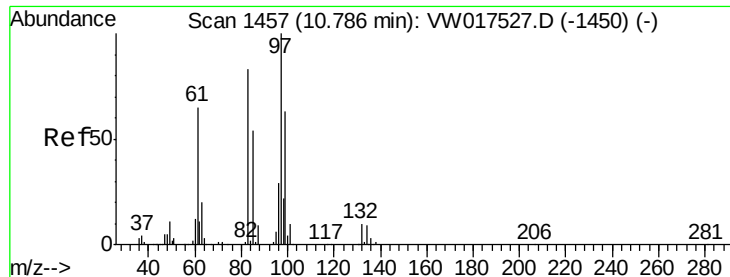
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 25.348 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 73887

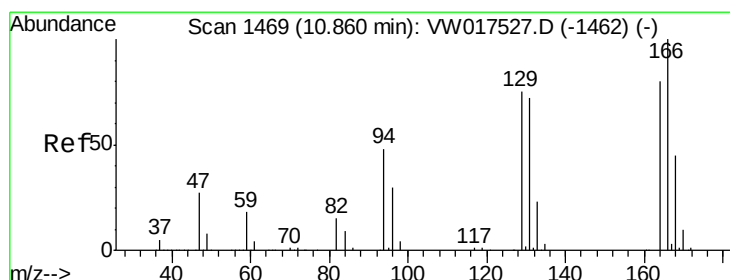
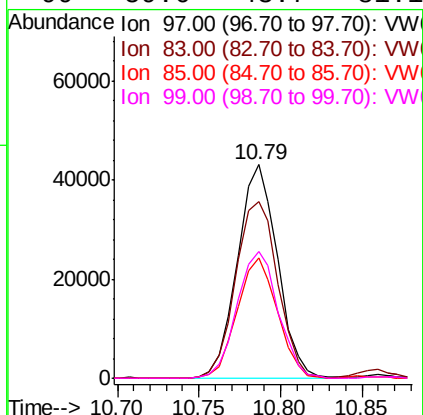
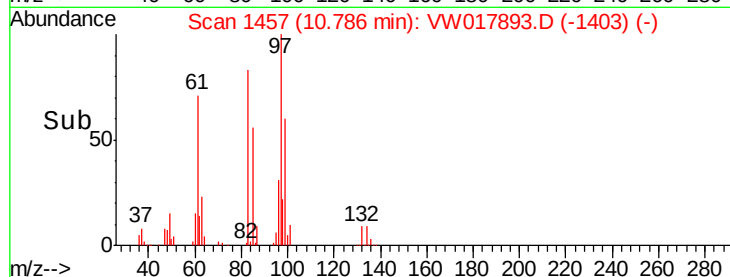
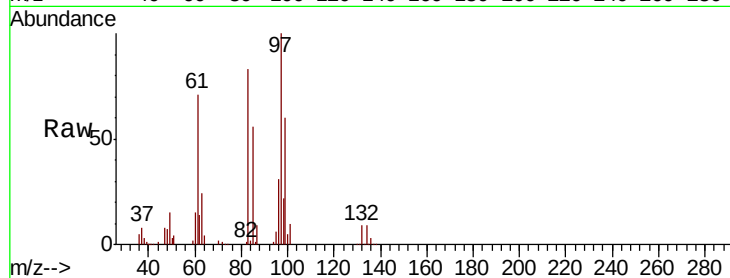
Ion	Ratio	Lower	Upper
97	100		
83	83.0	58.5	108.7
85	56.2	37.8	70.2
99	59.6	43.7	81.1

97 100

83 83.0 58.5 108.7

85 56.2 37.8 70.2

99 59.6 43.7 81.1



#47

Tetrachloroethene

Concen: 24.720 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Tgt Ion: 164 Resp: 88867

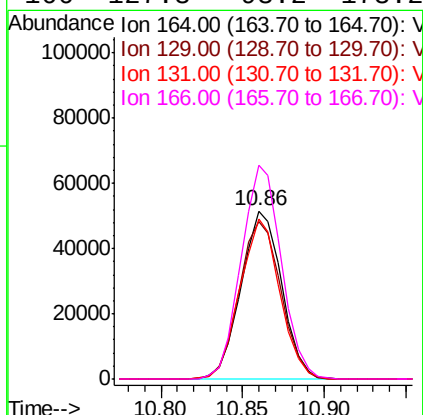
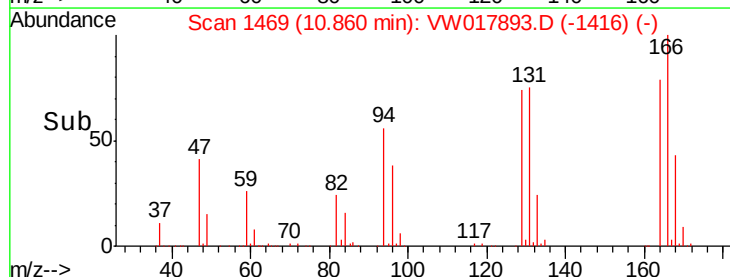
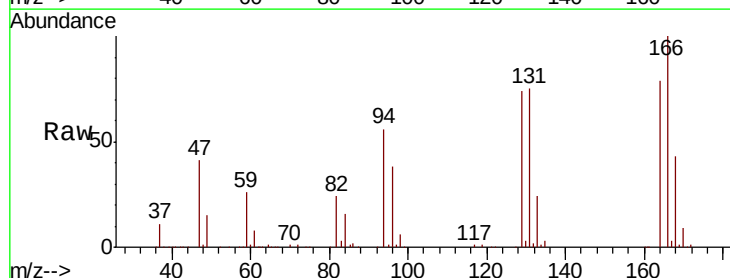
Ion	Ratio	Lower	Upper
164	100		
129	93.5	67.6	125.6
131	95.6	65.2	121.2
166	127.3	93.2	173.2

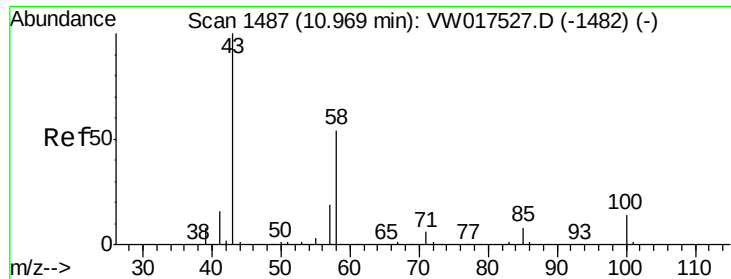
164 100

129 93.5 67.6 125.6

131 95.6 65.2 121.2

166 127.3 93.2 173.2





#49

2-Hexanone

Concen: 48.946 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 66163

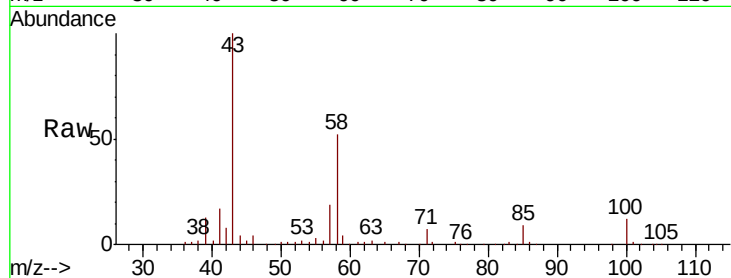
Ion Ratio Lower Upper

43 100

58 57.1 51.3 76.9

57 18.8 15.0 22.6

100 12.4 12.2 18.2



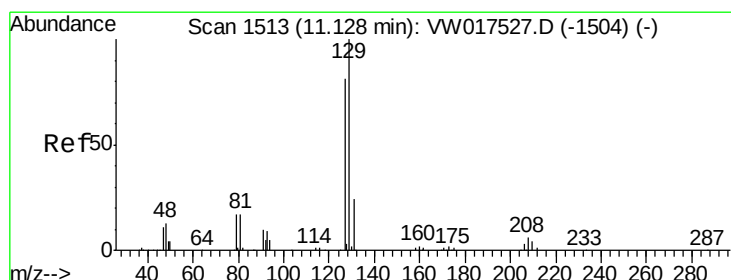
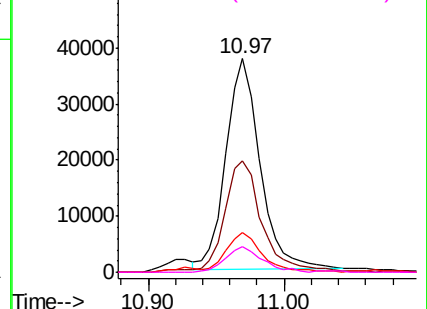
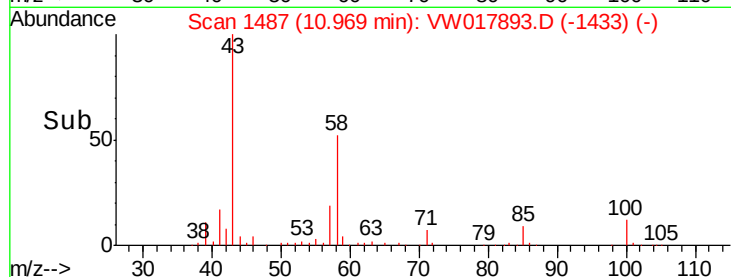
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.124 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017893.D

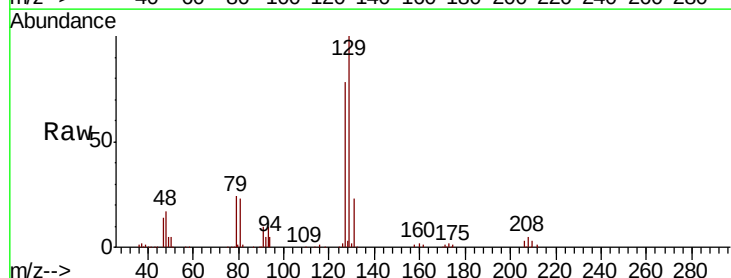
Acq: 15 Jan 2021 12:37

Tgt Ion: 129 Resp: 86944

Ion Ratio Lower Upper

129 100

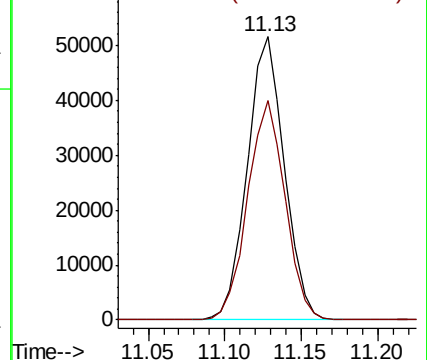
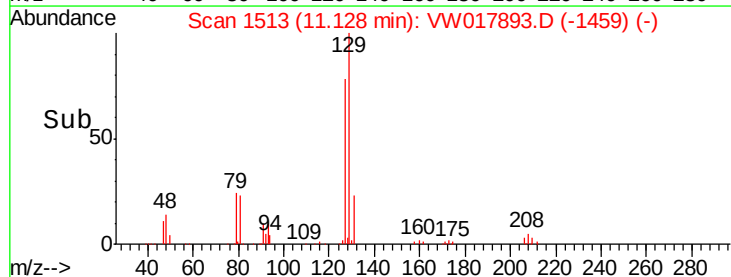
127 77.7 53.2 98.8

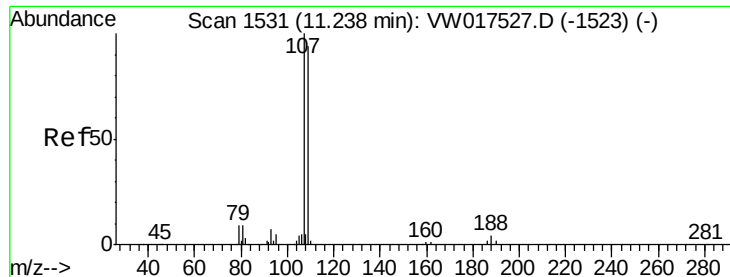


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

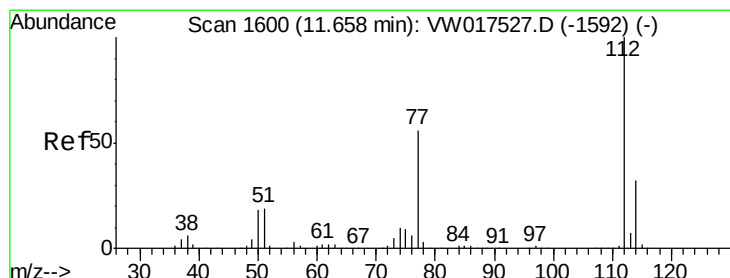
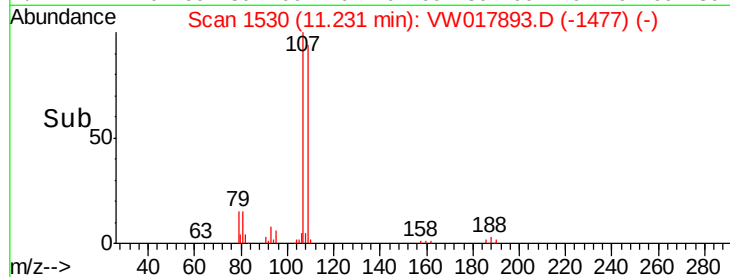
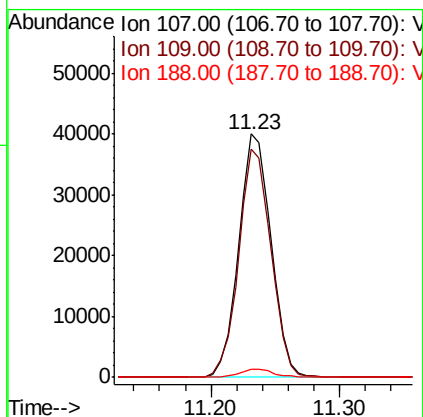
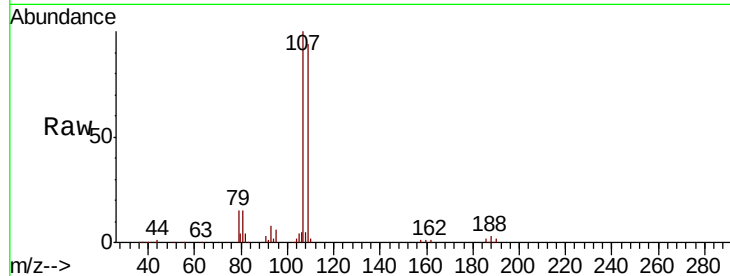




#51
 1,2-Dibromoethane
 Concen: 25.180 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

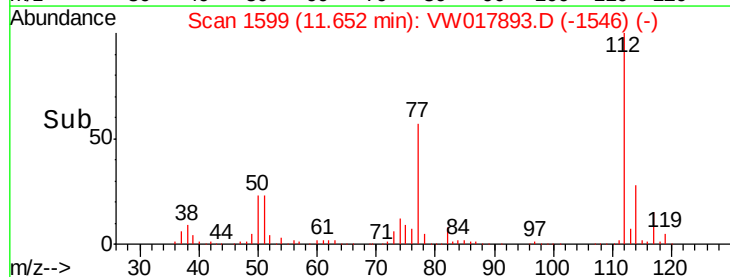
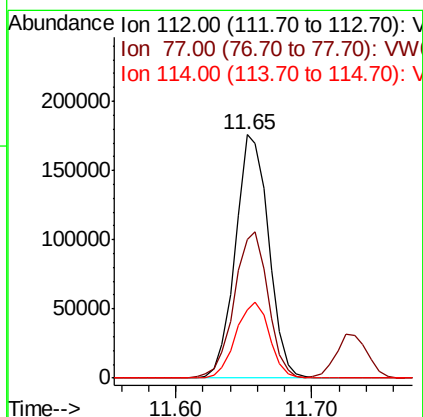
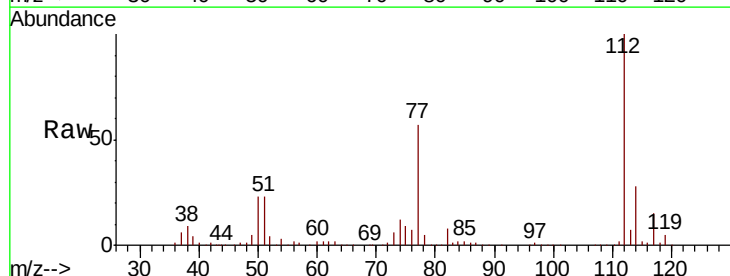
Instrument :
 MSVOA_W
 ClientSampled :

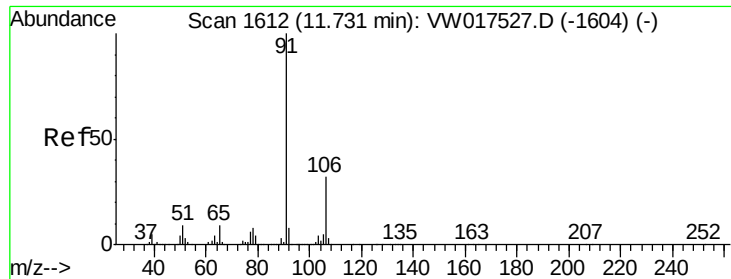
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	66.4	123.2
188	3.4	4.0	6.0



#52
 Chlorobenzene
 Concen: 25.378 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.2	42.6	64.0
114	28.2	21.6	40.2

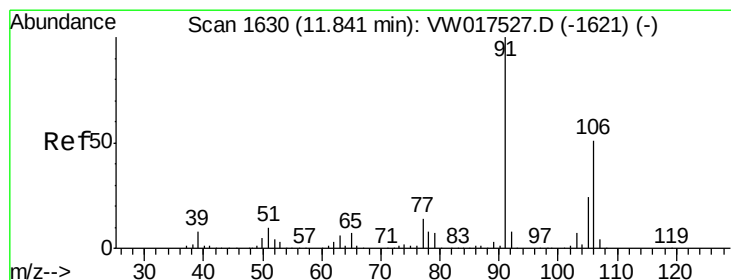
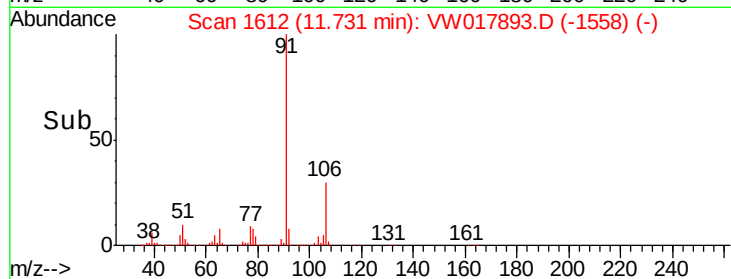
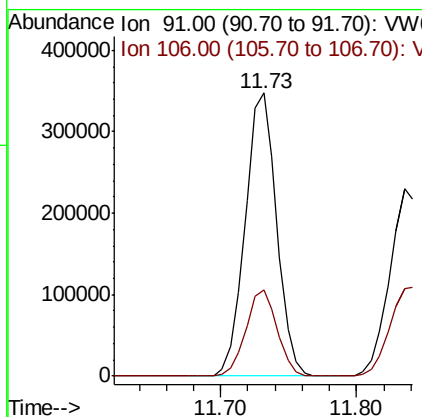
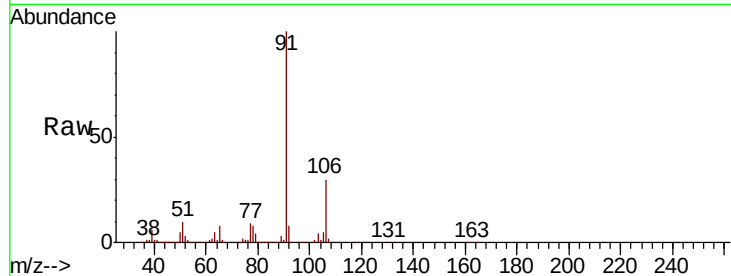




#53
Ethylbenzene
Concen: 26.181 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

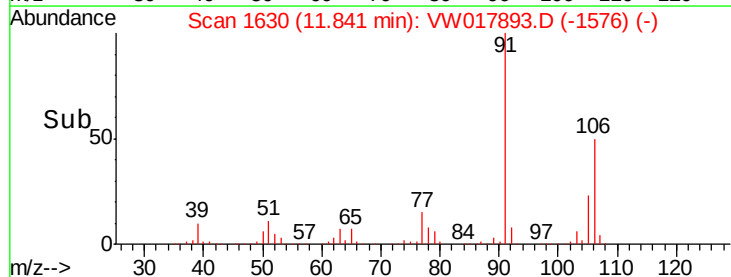
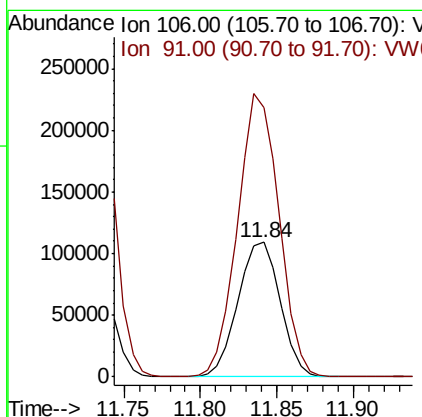
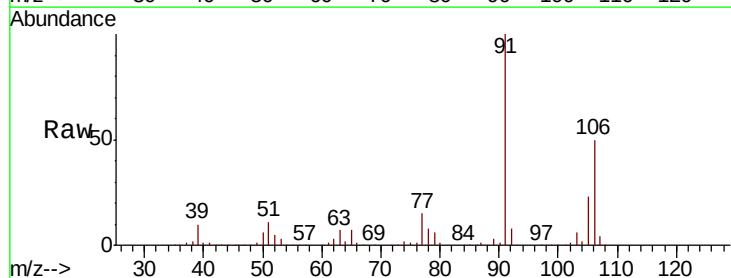
Instrument :
MSVOA_W
ClientSampleId :

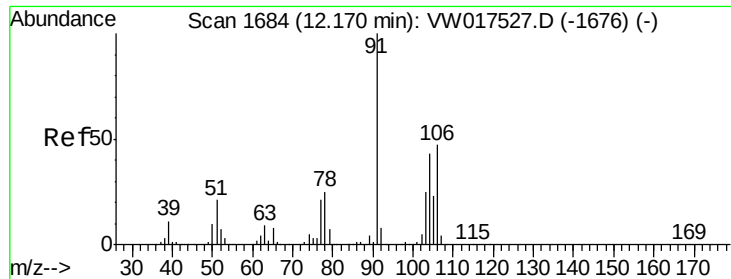
Tot Ion: 91 Resp: 562697
Ion Ratio Lower Upper
91 100
106 30.3 21.1 39.1



#54
m,p-Xylene
Concen: 24.953 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

Tgt Ion: 106 Resp: 209796
Ion Ratio Lower Upper
106 100
91 199.6 136.4 253.4

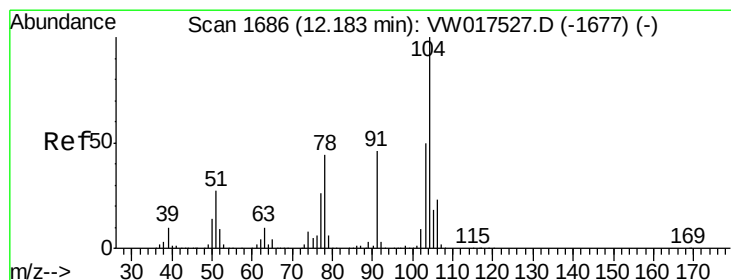
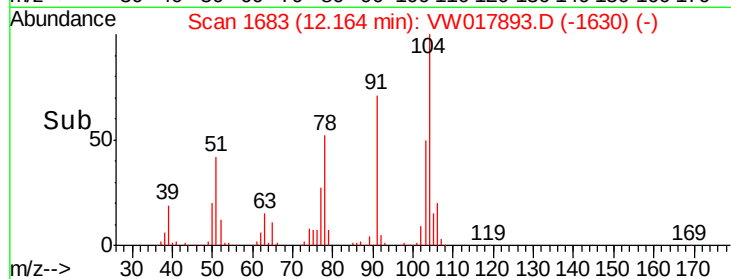
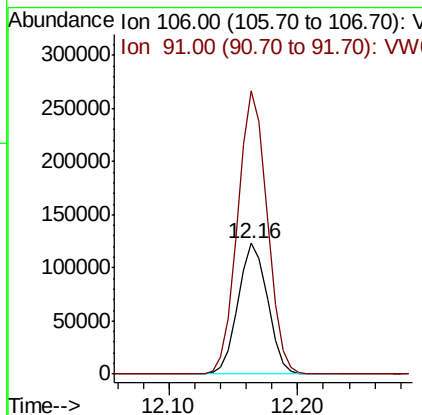
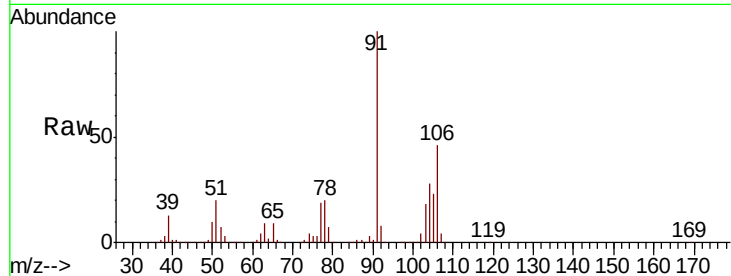




#55
o-xylene
Concen: 24.720 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

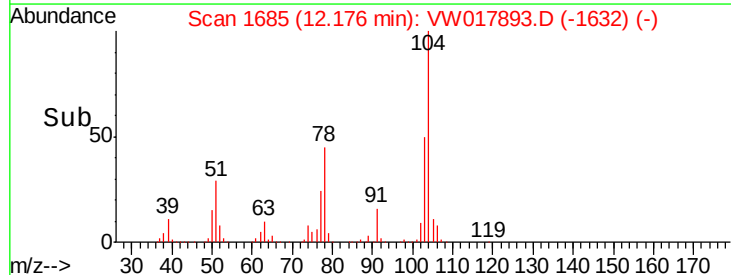
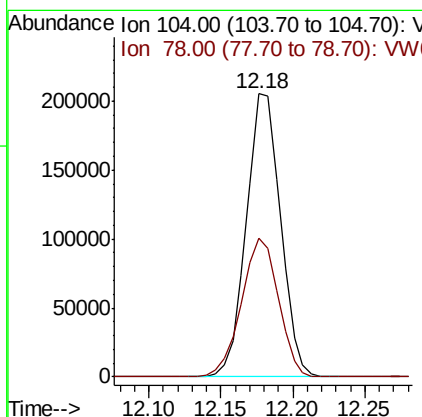
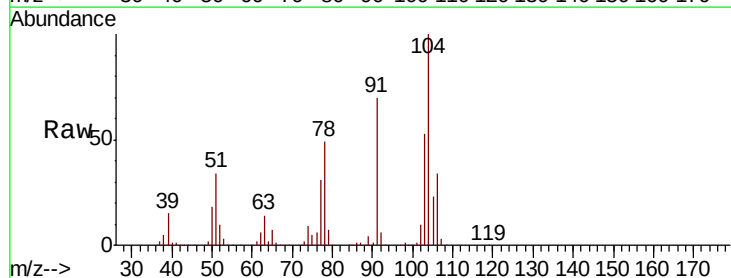
Instrument :
MSVOA_W
ClientSampled :

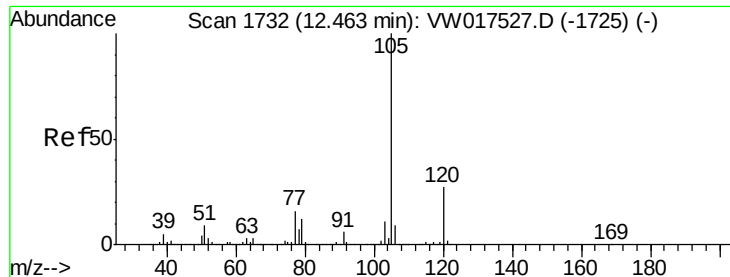
Tot Ion:106 Resp: 195457
Ion Ratio Lower Upper
106 100
91 216.9 147.6 274.2



#56
Styrene
Concen: 25.634 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

Tgt Ion:104 Resp: 337141
Ion Ratio Lower Upper
104 100
78 48.9 31.3 58.1





#57

Isopropylbenzene

Concen: 25.970 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampleId :

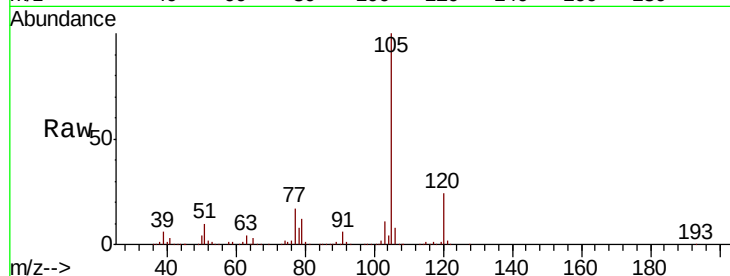
Tot Ion:105 Resp: 568499

Ion Ratio Lower Upper

105 100

120 25.7 21.4 32.2

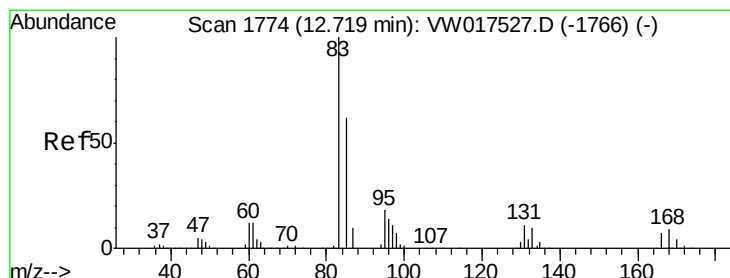
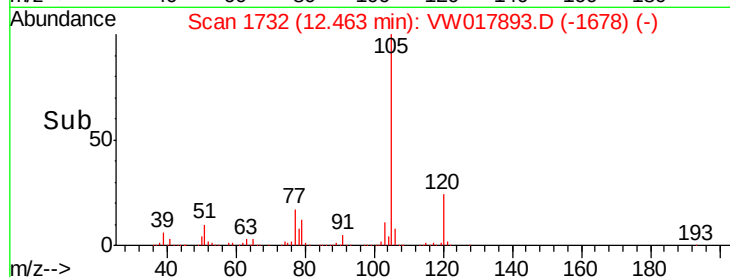
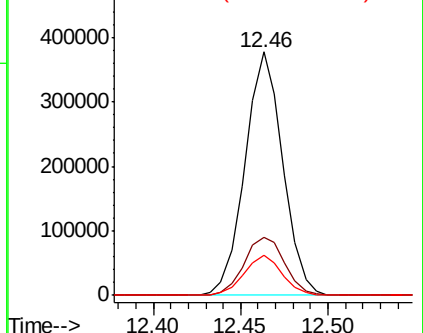
77 16.5 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.374 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

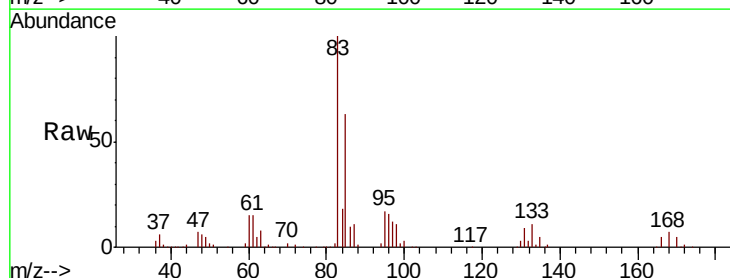
Tgt Ion: 83 Resp: 85807

Ion Ratio Lower Upper

83 100

85 63.3 45.3 84.1

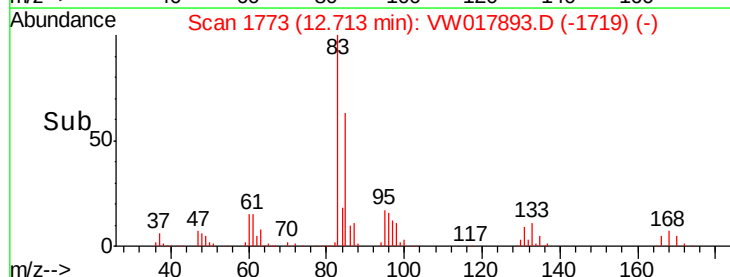
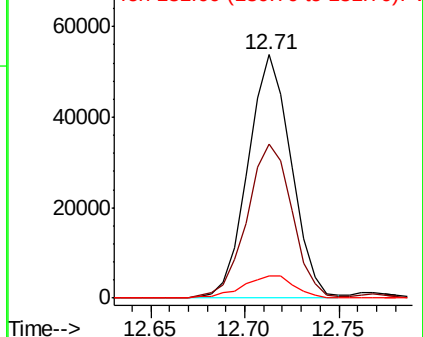
131 9.1 8.3 12.5

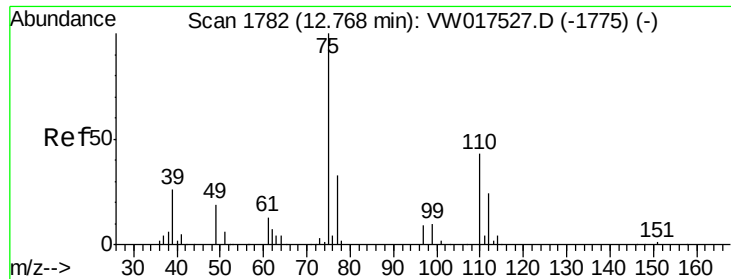


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.210 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

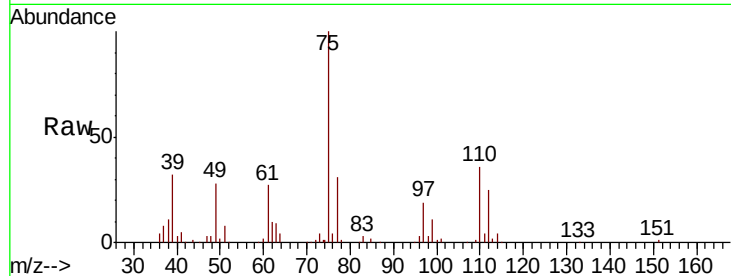
ClientSampled :

Tot Ion: 75 Resp: 62684

Ion Ratio Lower Upper

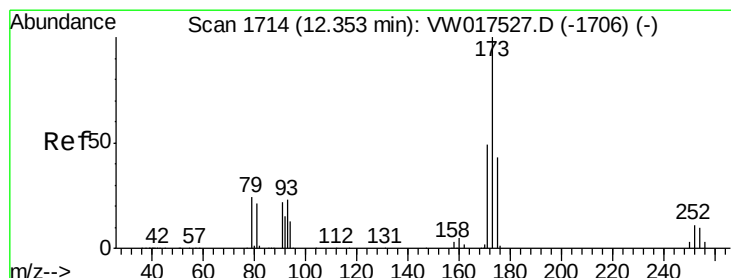
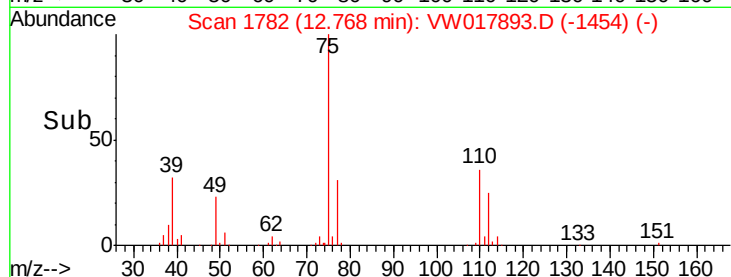
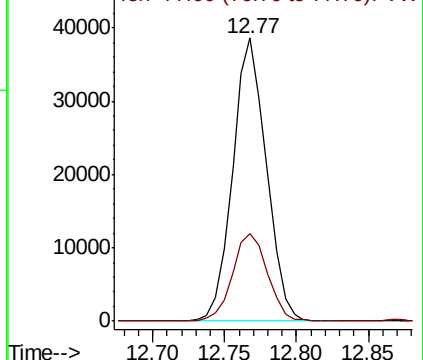
75 100

77 32.1 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 23.968 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

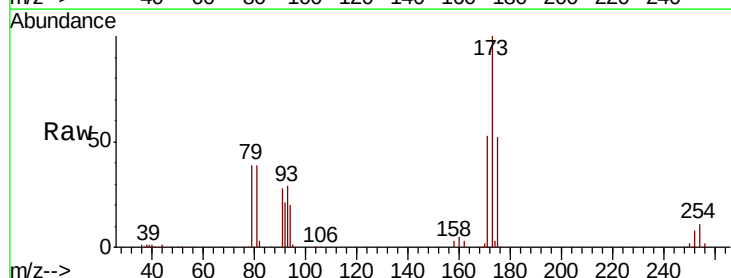
Tgt Ion: 173 Resp: 42221

Ion Ratio Lower Upper

173 100

175 51.1 39.1 58.7

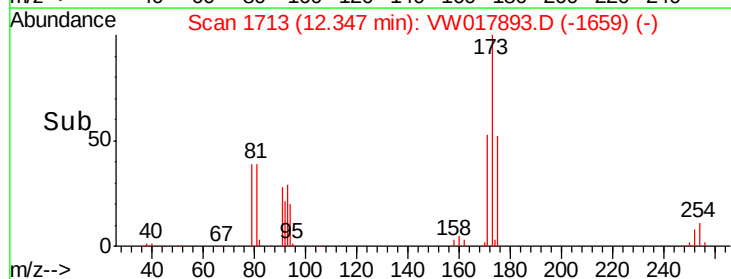
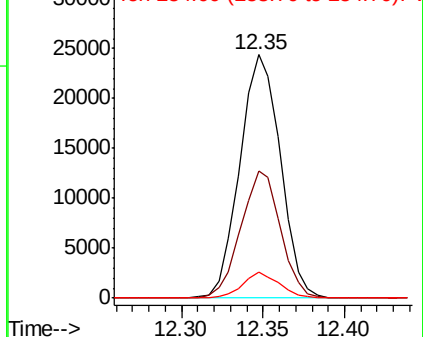
254 9.5 7.1 10.7

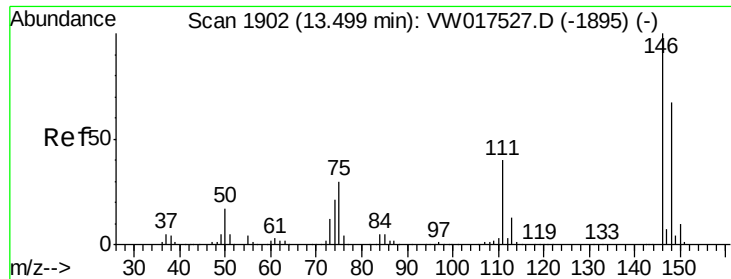


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

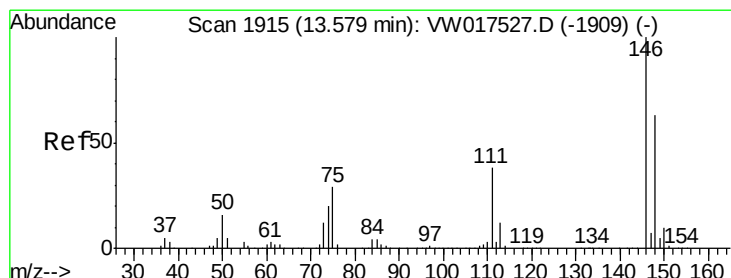
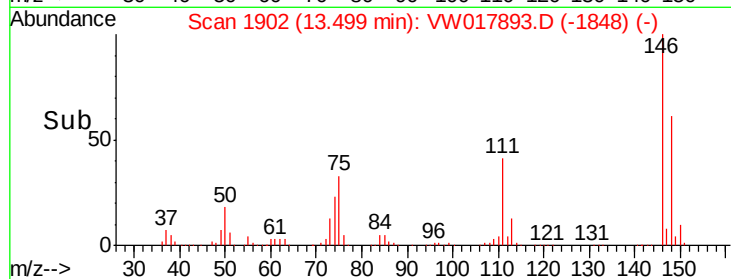
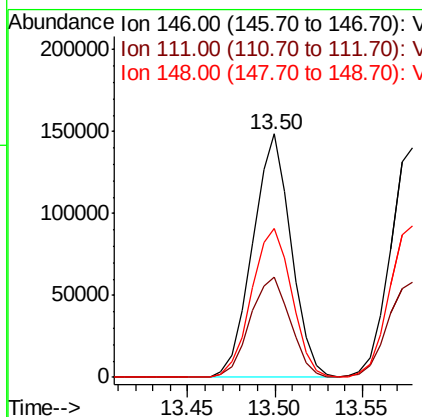
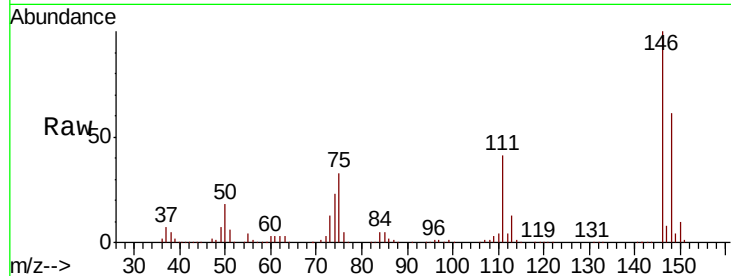




#63
 1,3-Dichlorobenzene
 Concen: 25.549 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

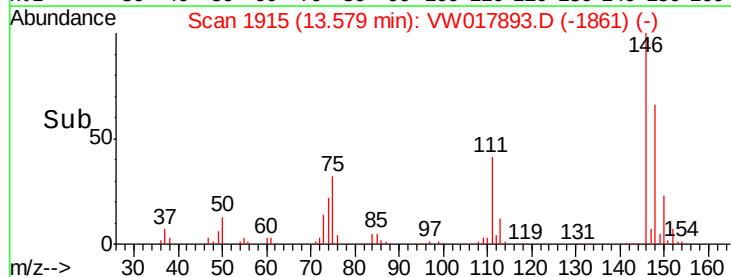
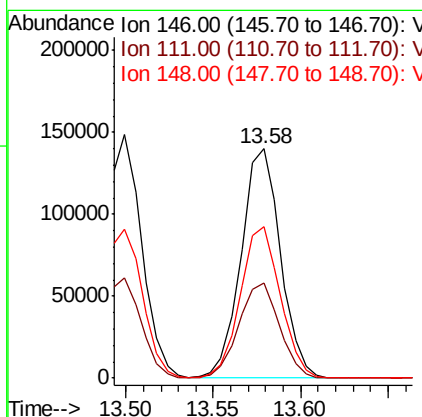
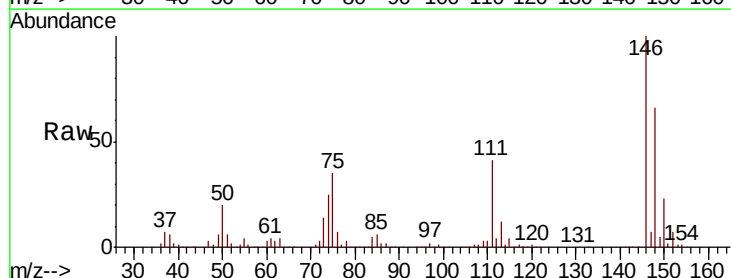
Instrument :
 MSVOA_W
 ClientSampleId :

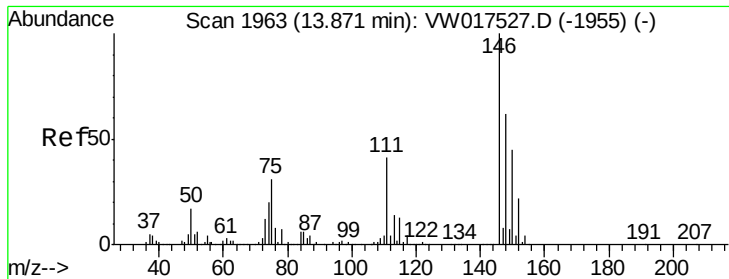
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	28.5	52.9
148	61.2	47.8	88.8



#64
 1,4-Dichlorobenzene
 Concen: 24.532 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	27.7	51.5
148	65.9	47.0	87.2





#65

1,2-Dichlorobenzene

Concen: 25.187 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampled :

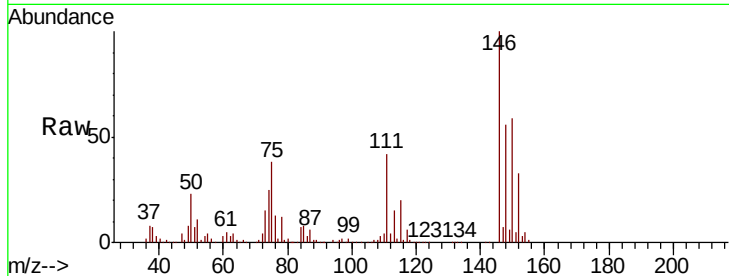
Tot Ion:146 Resp: 196660

Ion Ratio Lower Upper

146 100

111 41.9 31.7 47.5

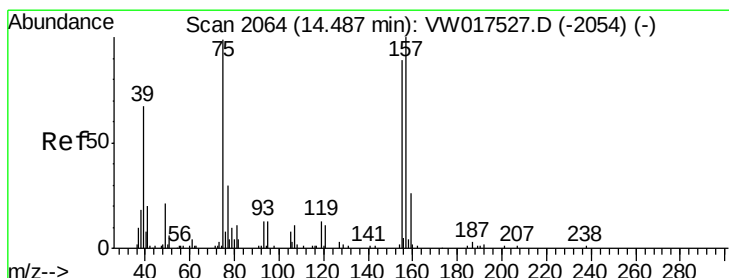
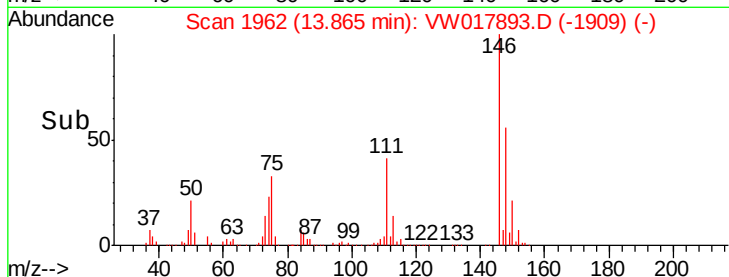
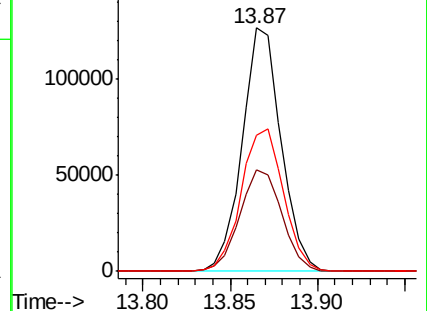
148 55.9 49.3 73.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 24.519 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

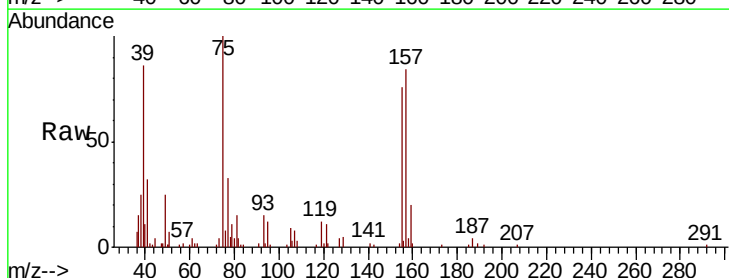
Tgt Ion: 75 Resp: 12609

Ion Ratio Lower Upper

75 100

157 84.4 99.9 149.9#

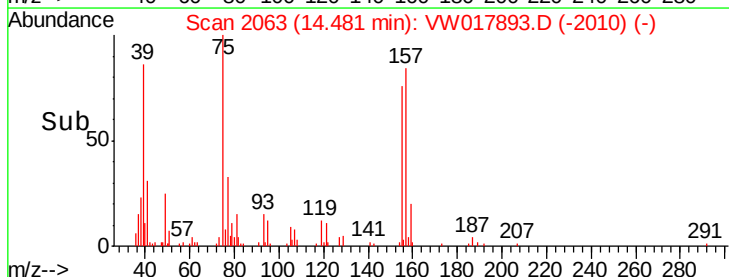
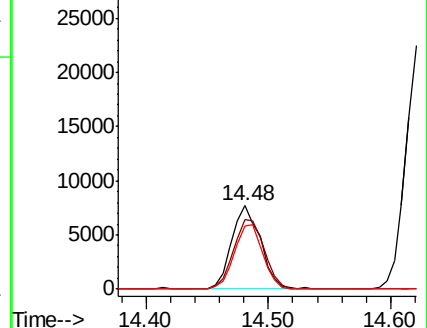
155 75.6 71.4 107.0

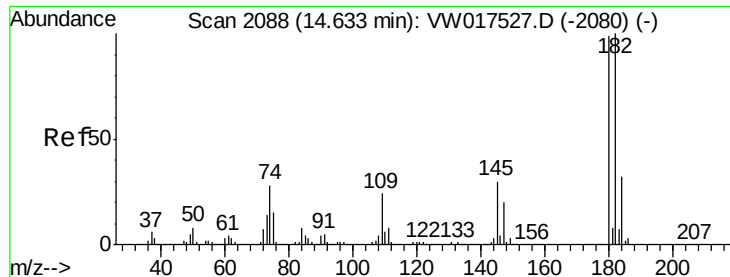


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

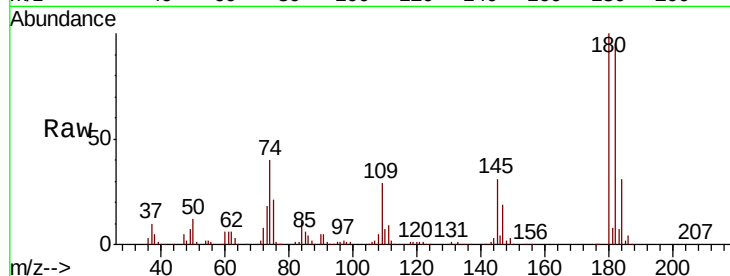




#67
 1,3,5-Trichlorobenzene
 Concen: 26.582 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	77.0	115.6
184	29.4	24.2	36.4
145	30.8	23.5	35.3



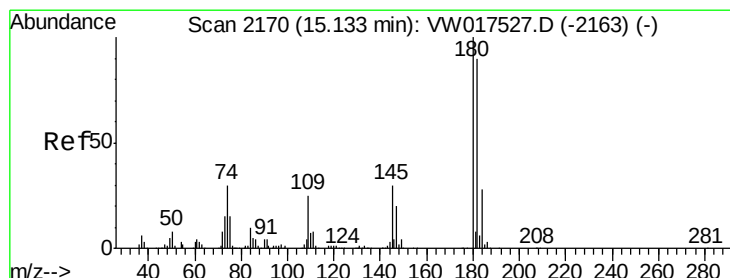
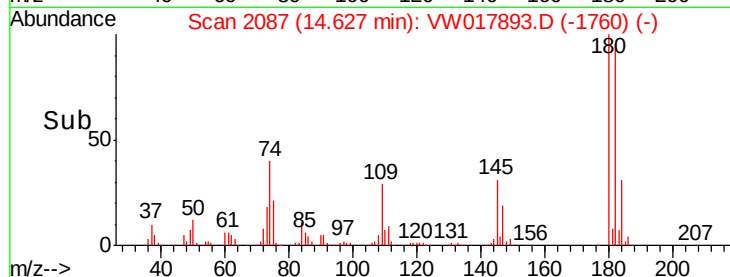
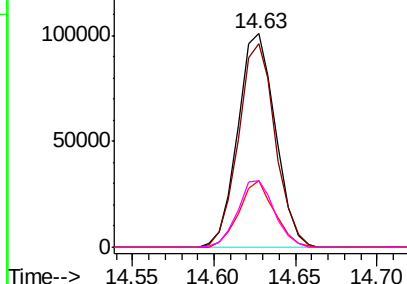
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

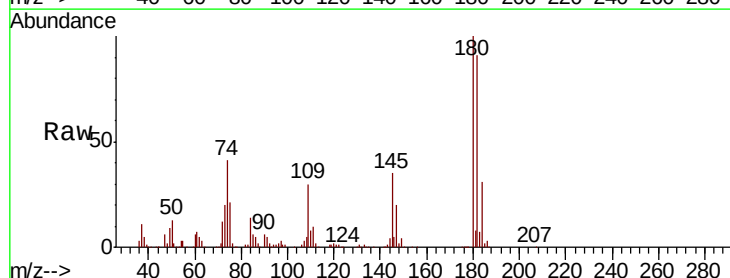
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.154 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	71.3	106.9
145	34.1	24.0	36.0

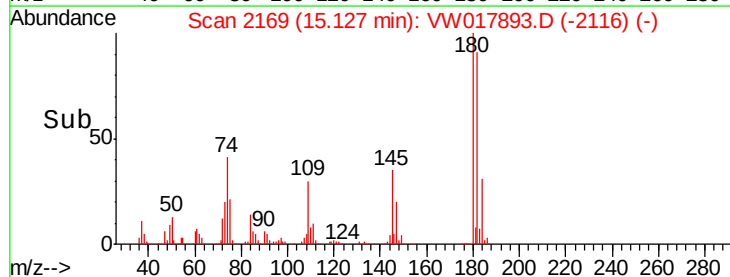
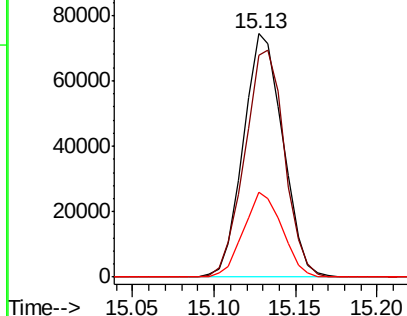


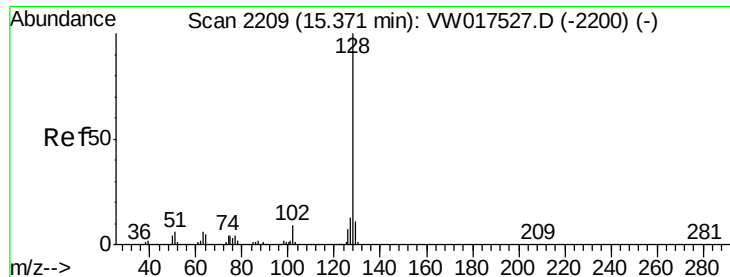
Abundance

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





#69

Naphthalene

Concen: 23.370 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampleId :

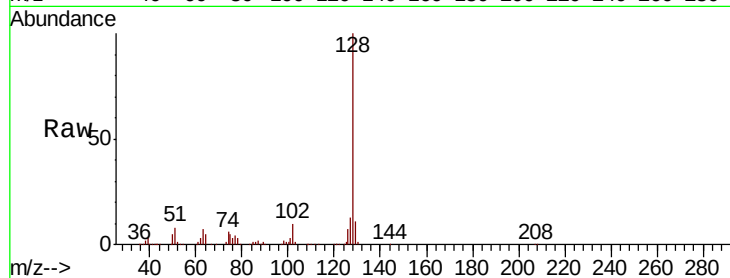
Tot Ion:128 Resp: 223154

Ion Ratio Lower Upper

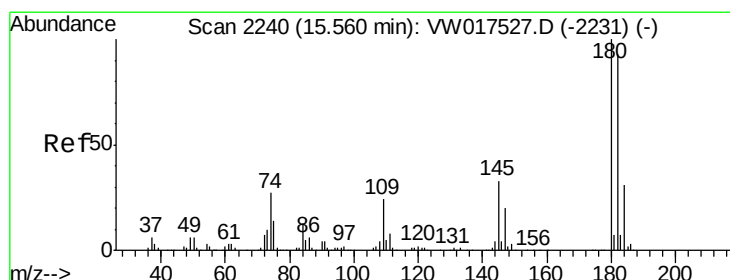
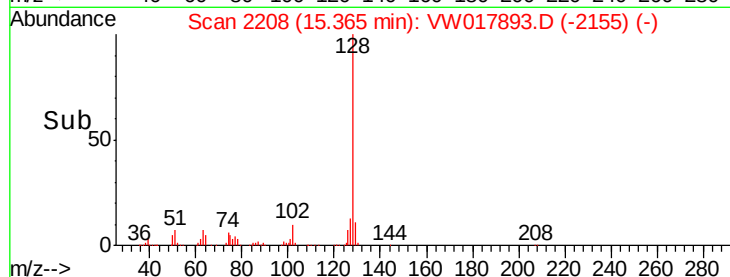
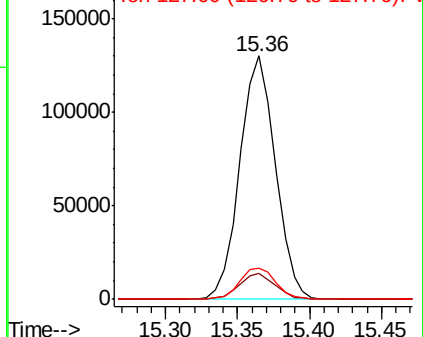
128 100

129 10.7 8.7 13.1

127 13.2 10.7 16.1



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: 24.000 ug/L

RT: 15.55 min Scan# 2238

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

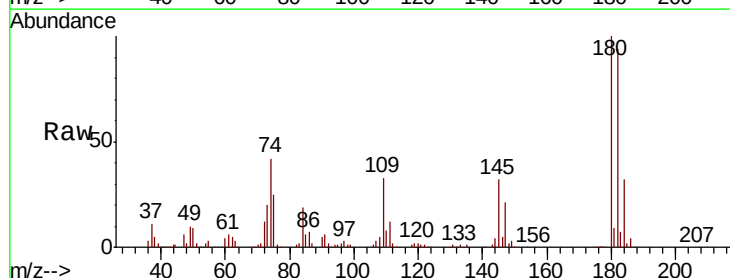
Tgt Ion:180 Resp: 101620

Ion Ratio Lower Upper

180 100

182 99.8 74.7 112.1

145 35.9 25.4 38.0



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

