

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051022\
 Data File : VW025870.D
 Acq On : 10 May 2022 19:08
 Operator : SY/MD
 Sample : N2714-01ME
 Misc : 5.03g/5.0mL/100uL/5.00mL/MSVOA_V/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EW2W4ME

Quant Time: May 11 04:26:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 11 04:11:56 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.635	114	7433	50.000	ug/L	# 0.02
28) Chlorobenzene-d5	8.863	117	7903	50.000	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	11.255	152	3996	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	20216	210.737	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	= 421.480%#		
7) Chloroethane-d5	1.568	69	14066	166.968	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	= 333.940%#		
11) 1,1-Dichloroethene-d2	2.095	63	29366	175.029	ug/L	-0.02
Spiked Amount	50.000	Range 60 - 125	Recovery	= 350.060%#		
21) 2-Butanone-d5	3.969	46	5392	131.139	ug/L	0.09
Spiked Amount	100.000	Range 40 - 130	Recovery	= 131.140%#		
24) Chloroform-d	4.349	84	24438	182.388	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 364.780%#		
26) 1,2-Dichloroethane-d4	5.040	65	16936	209.142	ug/L	0.01
Spiked Amount	50.000	Range 70 - 125	Recovery	= 418.280%#		
32) Benzene-d6	5.050	84	48334	175.434	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 350.860%#		
36) 1,2-Dichloropropane-d6	6.072	67	15699	185.524	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	= 371.040%#		
41) Toluene-d8	7.320	98	37472	147.617	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 295.240%#		
43) trans-1,3-Dichloroprop...	7.632	79	5774	152.858	ug/L	0.01
Spiked Amount	50.000	Range 60 - 125	Recovery	= 305.720%#		
47) 2-Hexanone-d5	8.226	63	196	6.318	ug/L	0.14
Spiked Amount	100.000	Range 45 - 130	Recovery	= 6.320%#		
56) 1,1,2,2-Tetrachloroeth...	10.220	84	18072	160.147	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	= 320.300%#		
66) 1,2-Dichlorobenzene-d4	11.628	152	13043	148.799	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 297.600%#		
Target Compounds						
						Qvalue
3) Chloromethane	1.240	50	5682	61.134	ug/L	94
5) Vinyl chloride	1.314	62	135	1.429	ug/L	# 1
6) Bromomethane	1.523	94	1535	26.734	ug/L	75
8) Chloroethane	1.590	64	146	2.069	ug/L	# 42
9) Trichlorofluoromethane	2.095	101	292	2.174	ug/L	# 64
10) 1,1,2-Trichloro-1,2,2-...	2.095	101	292	4.093	ug/L	# 22
12) 1,1-Dichloroethene	2.092	96	95	1.354	ug/L	# 1
13) Acetone	2.191	43	2105	75.023	ug/L	74
14) Carbon disulfide	2.278	76	823	4.742	ug/L	# 64
15) Methyl Acetate	2.442	43	1899	31.591	ug/L	98
16) Methylene chloride	2.500	84	1571	23.113	ug/L	90
22) 2-Butanone	4.037	43	3666	97.974	ug/L	95
27) 1,2-Dichloroethane	5.059	62	122	1.352	ug/L	# 74
33) Benzene	5.053	78	351	1.319	ug/L	100
35) Methylcyclohexane	6.075	83	3651	35.024	ug/L	# 20
37) 1,2-Dichloropropane	6.075	63	1711	25.596	ug/L	# 86
39) cis-1,3-Dichloropropene	7.005	75	184	1.930	ug/L	# 75
40) 4-Methyl-2-pentanone	7.304	43	126	1.613	ug/L	# 7
42) Toluene	7.403	91	403	1.412	ug/L	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

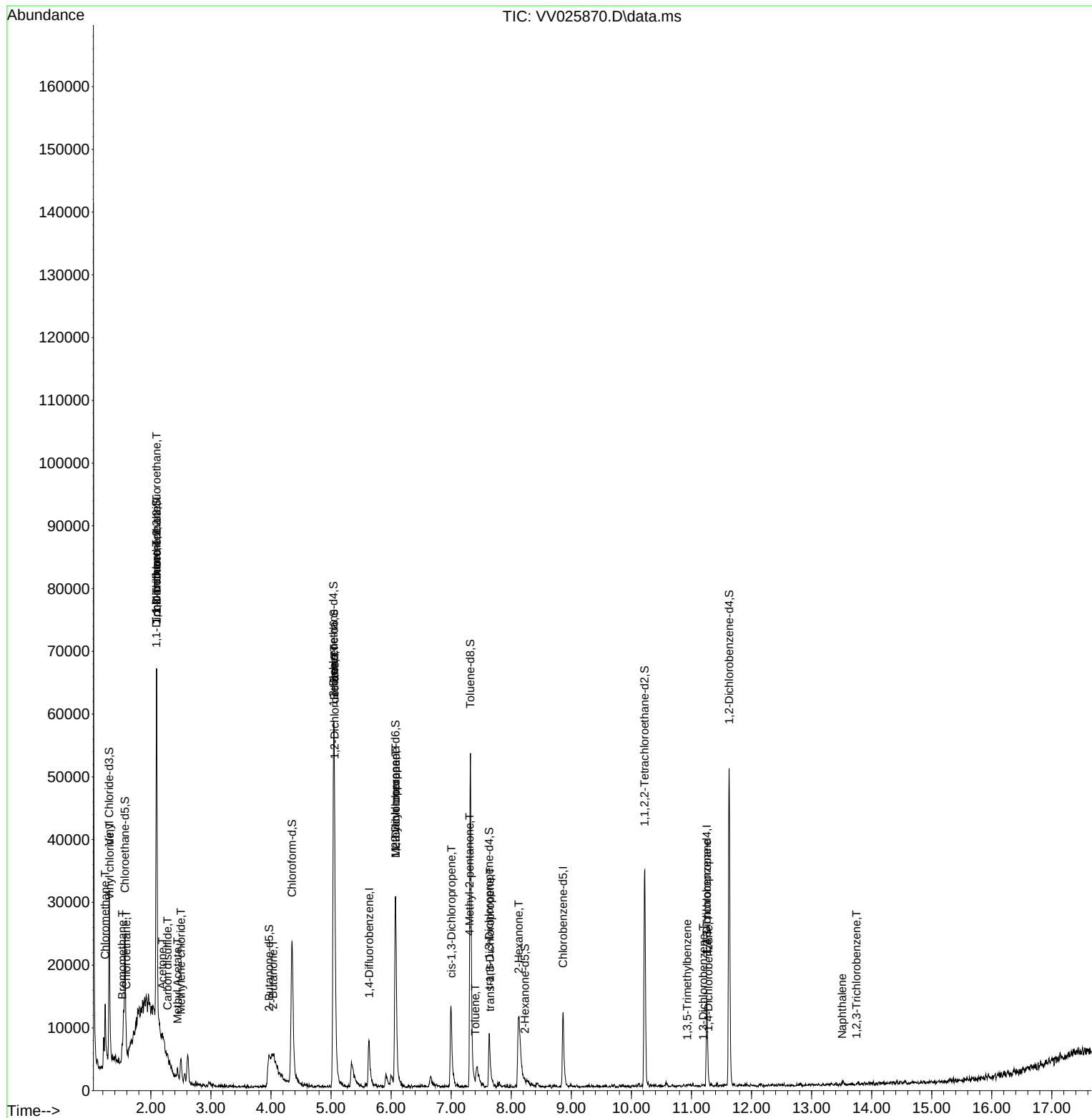
44) trans-1,3-Dichloropropene	7.648	75	161	1.756	ug/L #	44
48) 2-Hexanone	8.124	43	645	10.609	ug/L #	42
61) 1,2,3-Trichloropropane	11.259	75	619	7.826	ug/L #	63
62) 1,3,5-Trimethylbenzene	10.931	105	128	0.928	ug/L #	28
64) 1,3-Dichlorobenzene	11.194	146	151	1.192	ug/L #	25
65) 1,4-Dichlorobenzene	11.284	146	86	0.648	ug/L #	52
71) Naphthalene	13.509	128	192	0.870	ug/L #	69
72) 1,2,3-Trichlorobenzene	13.747	180	50	0.659	ug/L #	4

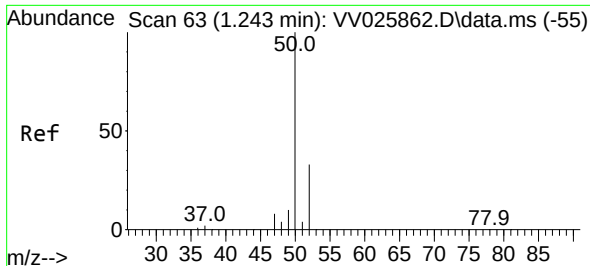
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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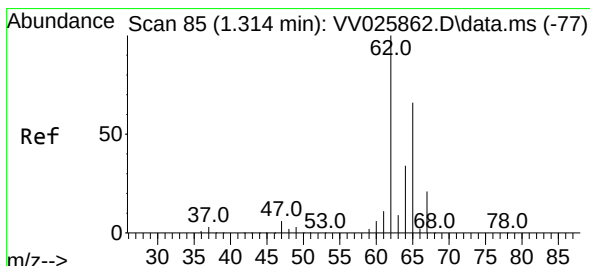
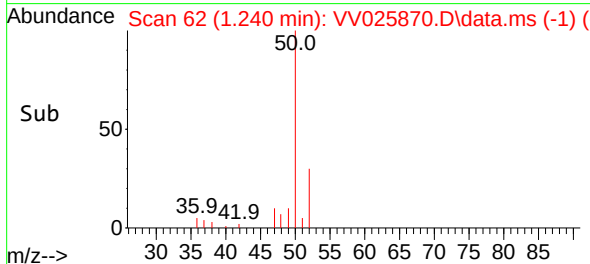
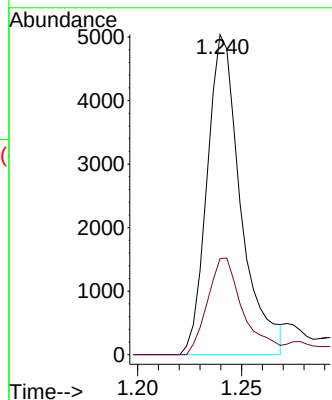
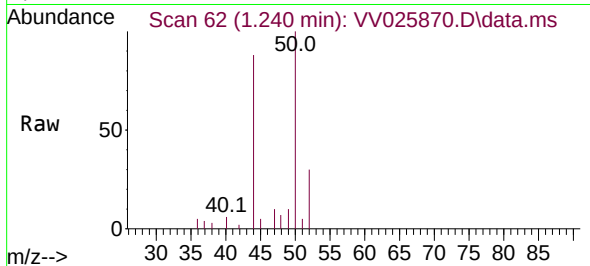




#3
Chloromethane
Concen: 61.134 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV025870.D
Acq: 10 May 2022 19:08

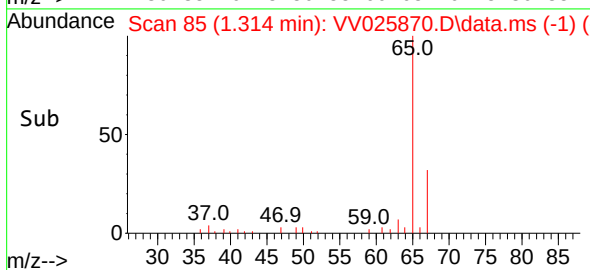
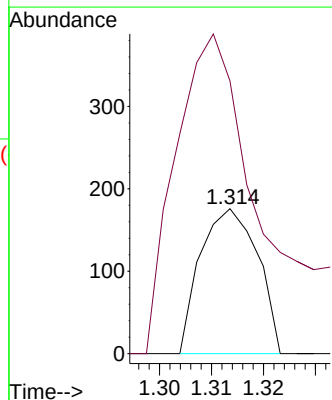
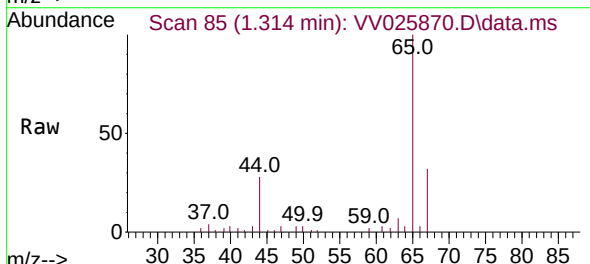
Instrument :
MSVOA_V
ClientSampleId :
EW2W4ME

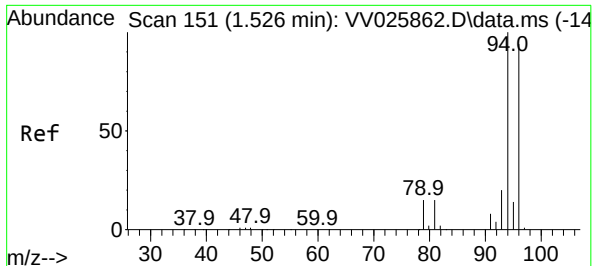
Tgt Ion: 50 Resp: 5682
Ion Ratio Lower Upper
50 100
52 30.0 23.2 43.2



#5
Vinyl chloride
Concen: 1.429 ug/L
RT: 1.314 min Scan# 85
Delta R.T. -0.000 min
Lab File: VV025870.D
Acq: 10 May 2022 19:08

Tgt Ion: 62 Resp: 135
Ion Ratio Lower Upper
62 100
64 188.1 23.2 43.0#

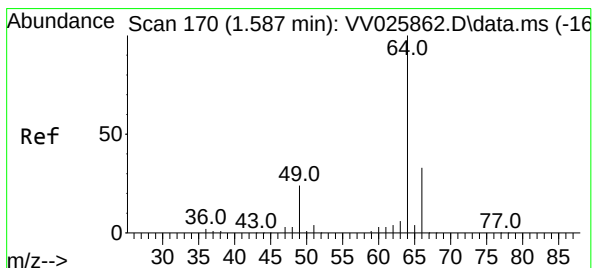
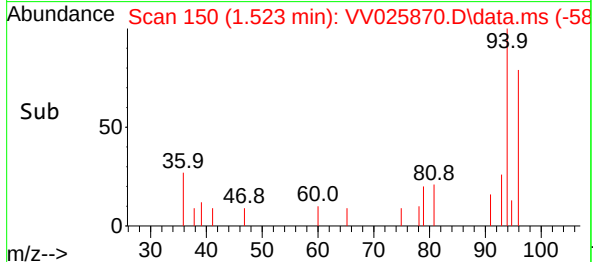
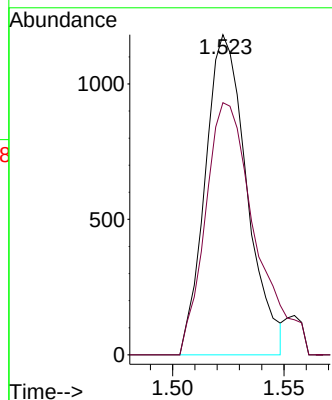
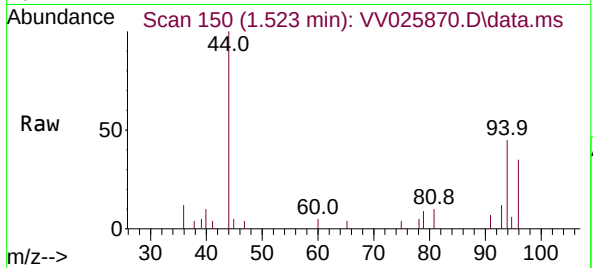




#6
Bromomethane
Concen: 26.734 ug/L
RT: 1.523 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV025870.D
Acq: 10 May 2022 19:08

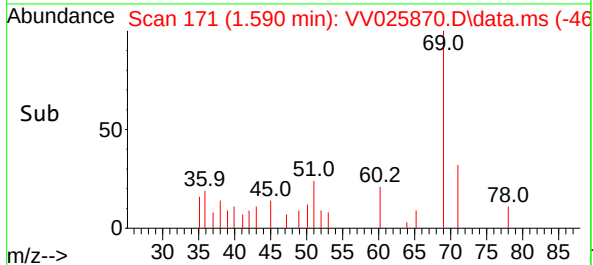
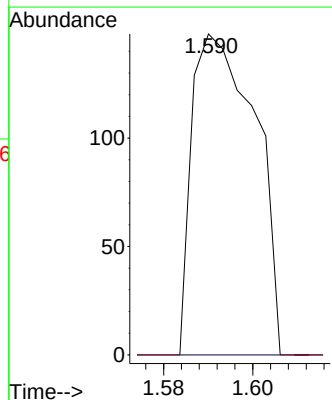
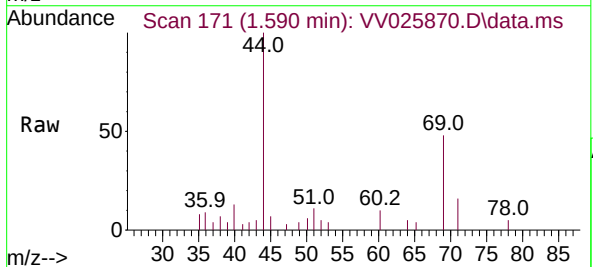
Instrument :
MSVOA_V
ClientSampleId :
EW2W4ME

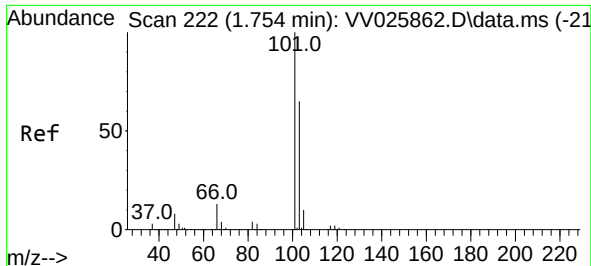
Tgt Ion: 94 Resp: 1535
Ion Ratio Lower Upper
94 100
96 69.6 65.9 122.3



#8
Chloroethane
Concen: 2.069 ug/L
RT: 1.590 min Scan# 171
Delta R.T. 0.003 min
Lab File: VV025870.D
Acq: 10 May 2022 19:08

Tgt Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 0.0 22.9 42.5#

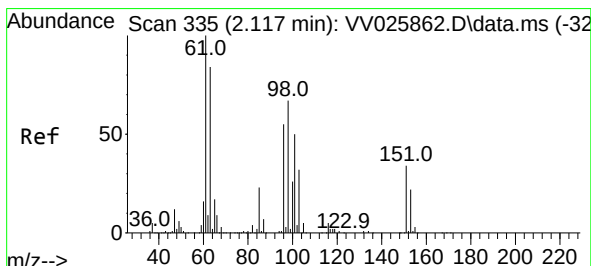
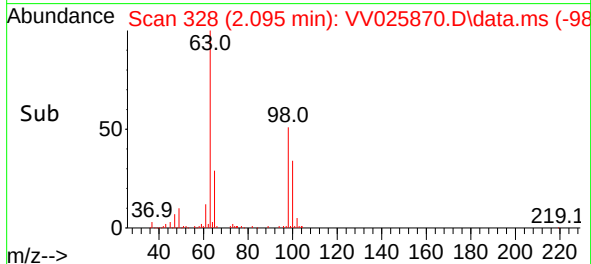
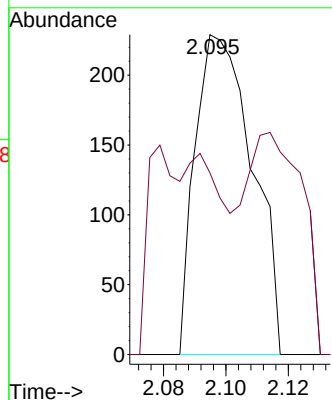
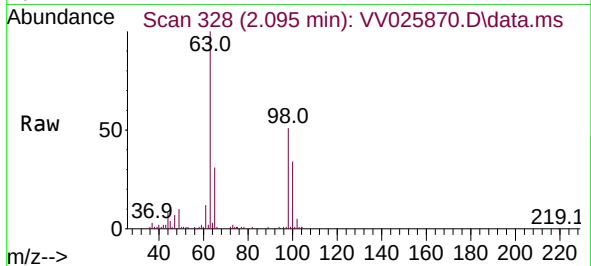




#9
 Trichlorofluoromethane
 Concen: 2.174 ug/L
 RT: 2.095 min Scan# 31
 Delta R.T. 0.341 min
 Lab File: VV025870.D
 Acq: 10 May 2022 19:08

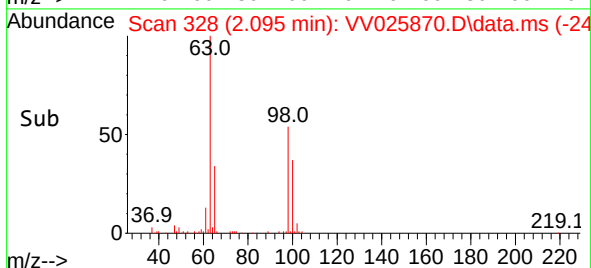
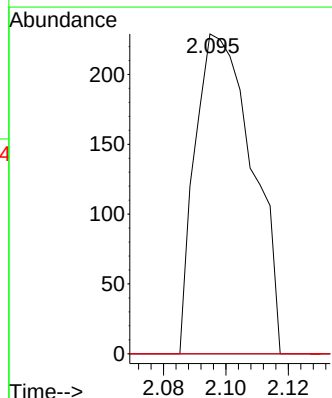
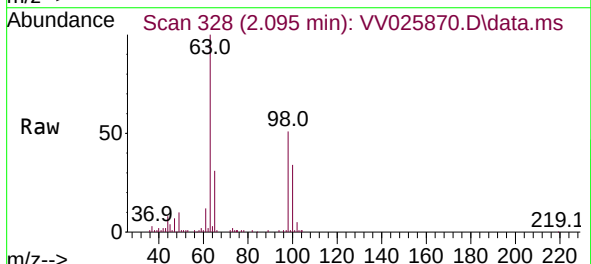
Instrument :
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 ClientSampleId :
 EW2W4ME

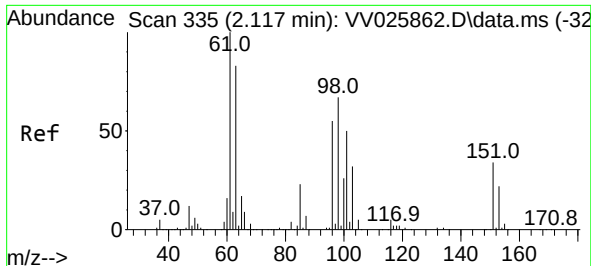
Tgt Ion:101 Resp: 292
 Ion Ratio Lower Upper
 101 100
 103 36.0 51.5 77.3#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.093 ug/L
 RT: 2.095 min Scan# 328
 Delta R.T. -0.023 min
 Lab File: VV025870.D
 Acq: 10 May 2022 19:08

Tgt Ion:101 Resp: 292
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 54.3 81.5#





#12

1,1-Dichloroethene

Concen: 1.354 ug/L

RT: 2.092 min Scan# 31

Delta R.T. -0.026 min

Lab File: VV025870.D

Acq: 10 May 2022 19:08

Instrument :

MSVOA_V

ClientSampleId :

EW2W4ME

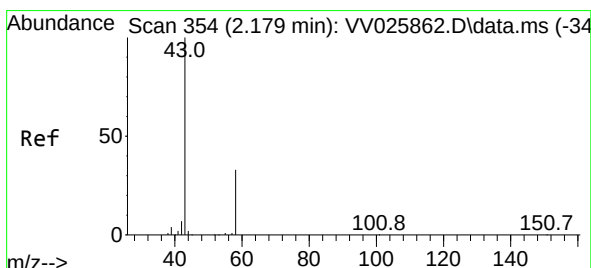
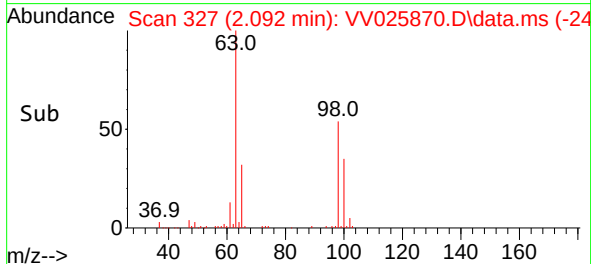
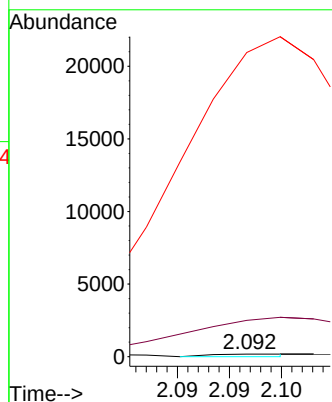
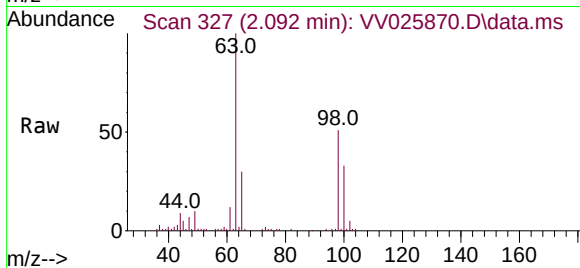
Tgt Ion: 96 Resp: 95

Ion Ratio Lower Upper

96 100

61 1406.7 124.6 231.4#

63 11766.3 101.6 188.6#



#13

Acetone

Concen: 75.023 ug/L

RT: 2.191 min Scan# 358

Delta R.T. 0.013 min

Lab File: VV025870.D

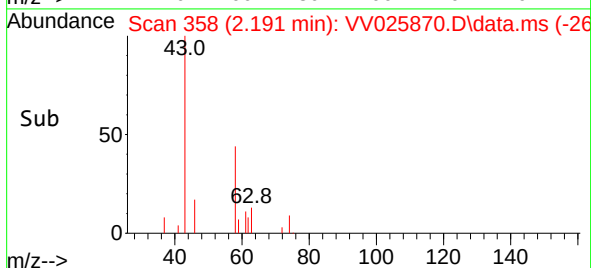
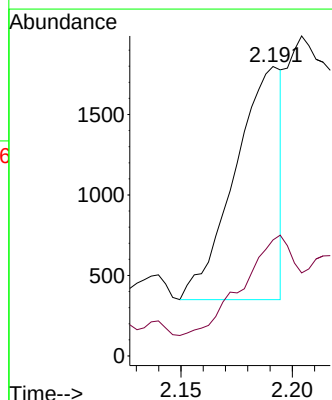
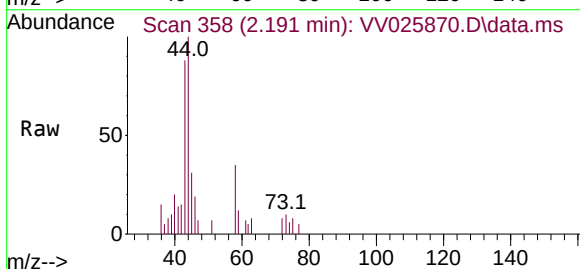
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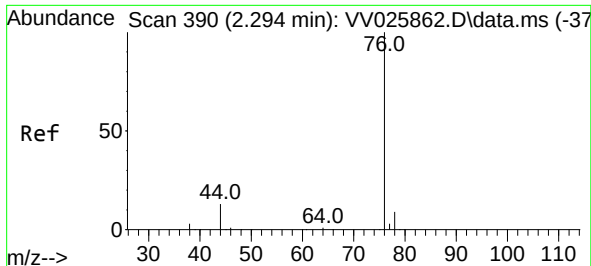
Tgt Ion: 43 Resp: 2105

Ion Ratio Lower Upper

43 100

58 17.7 0.0 65.0

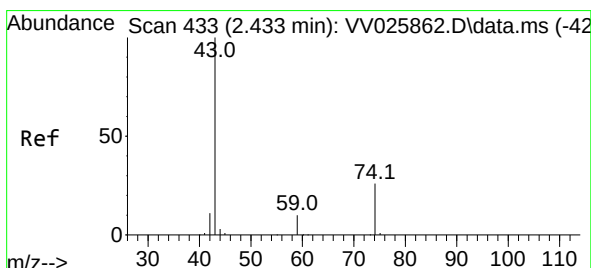
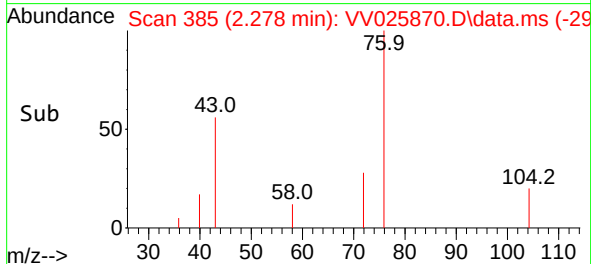
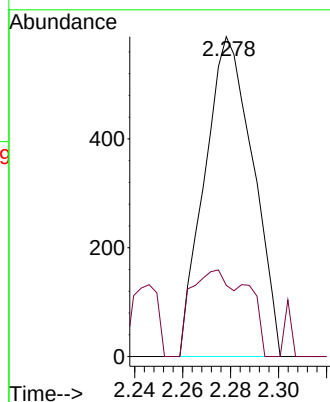
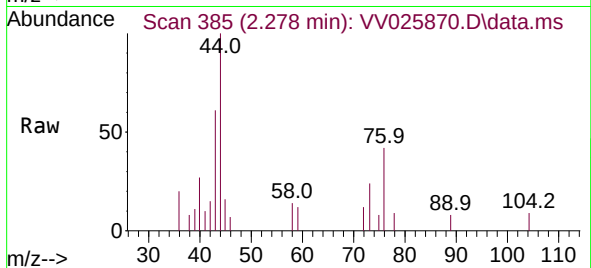




#14
Carbon disulfide
Concen: 4.742 ug/L
RT: 2.278 min Scan# 31
Delta R.T. -0.016 min
Lab File: VV025870.D
Acq: 10 May 2022 19:08

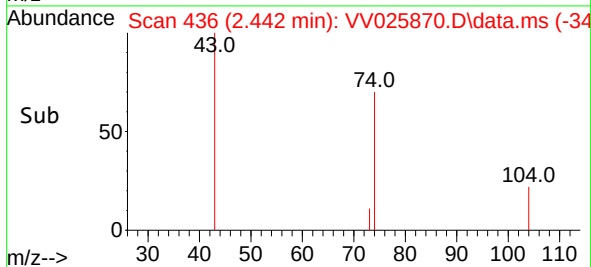
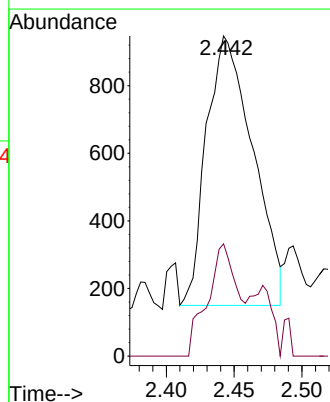
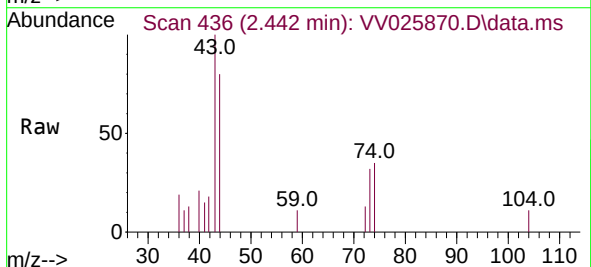
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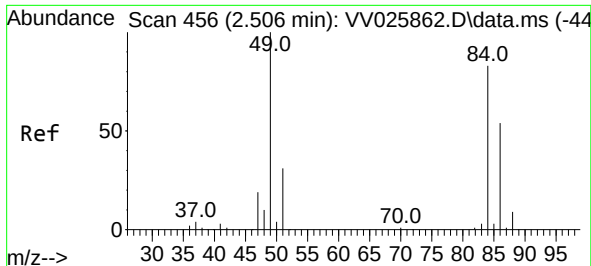
Tgt Ion: 76 Resp: 823
Ion Ratio Lower Upper
76 100
78 22.3 7.4 11.0#



#15
Methyl Acetate
Concen: 31.591 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.010 min
Lab File: VV025870.D
Acq: 10 May 2022 19:08

Tgt Ion: 43 Resp: 1899
Ion Ratio Lower Upper
43 100
74 26.8 20.7 31.1

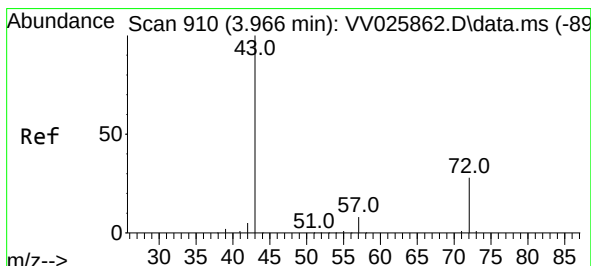
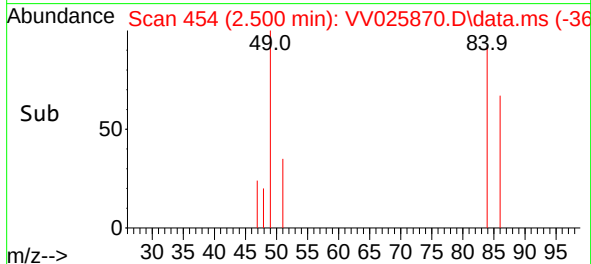
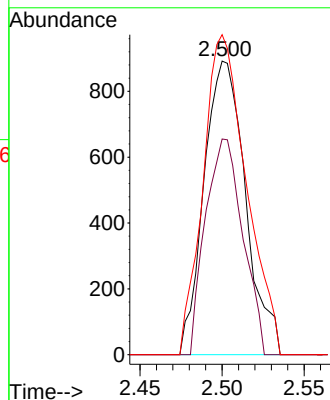
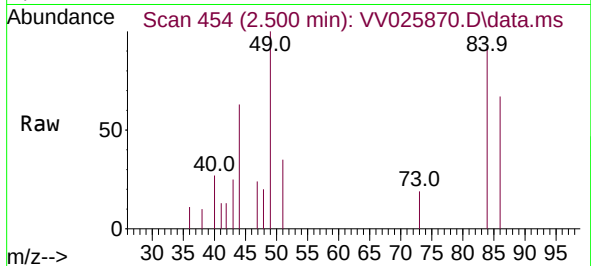




#16
Methylene chloride
Concen: 23.113 ug/L
RT: 2.500 min Scan# 41
Delta R.T. -0.006 min
Lab File: VV025870.D
Acq: 10 May 2022 19:08

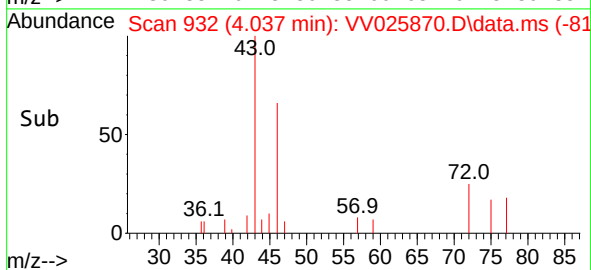
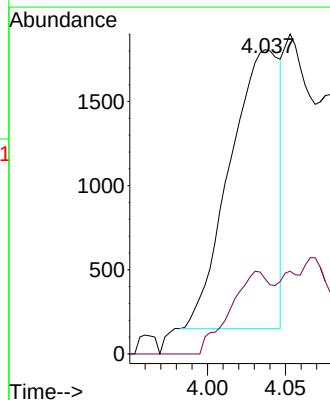
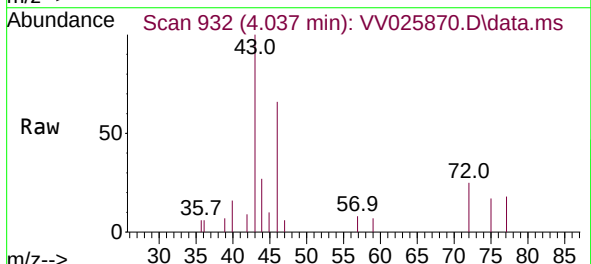
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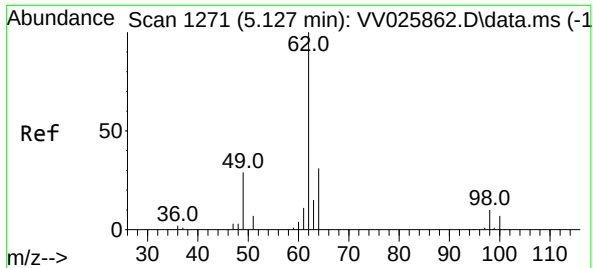
Tgt Ion: 84 Resp: 1571
Ion Ratio Lower Upper
84 100
86 73.4 44.2 82.0
49 109.0 82.7 153.5



#22
2-Butanone
Concen: 97.974 ug/L
RT: 4.037 min Scan# 932
Delta R.T. 0.071 min
Lab File: VV025870.D
Acq: 10 May 2022 19:08

Tgt Ion: 43 Resp: 3666
Ion Ratio Lower Upper
43 100
72 25.2 13.8 41.4





#27

1,2-Dichloroethane

Concen: 1.352 ug/L

RT: 5.059 min Scan# 11

Delta R.T. -0.068 min

Lab File: VV025870.D

Acq: 10 May 2022 19:08

Instrument :

MSVOA_V

ClientSampleId :

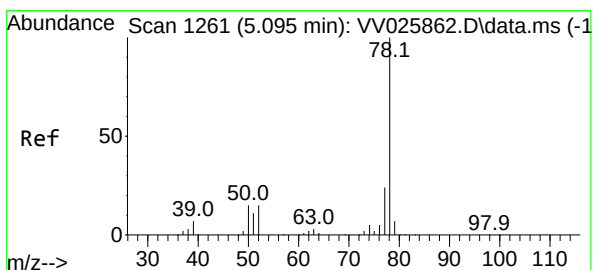
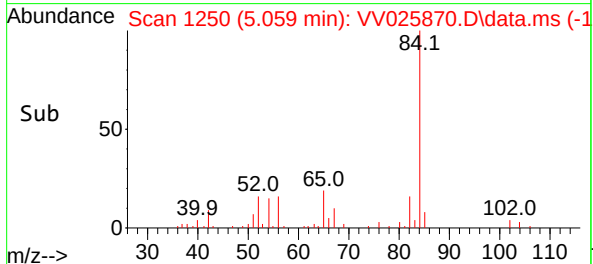
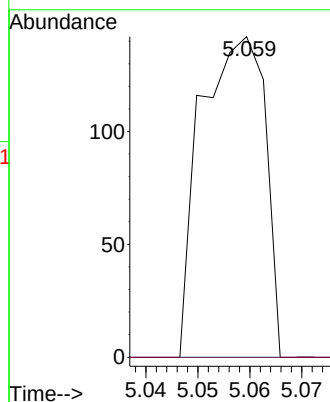
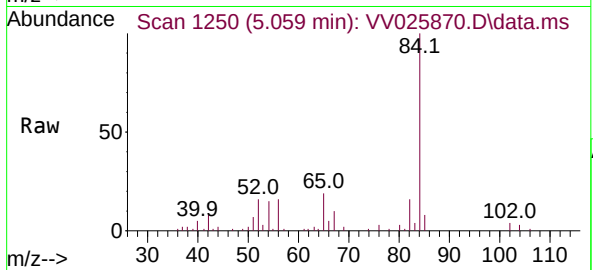
EW2W4ME

Tgt Ion: 62 Resp: 122

Ion Ratio Lower Upper

62 100

98 0.0 7.7 11.5#



#33

Benzene

Concen: 1.319 ug/L

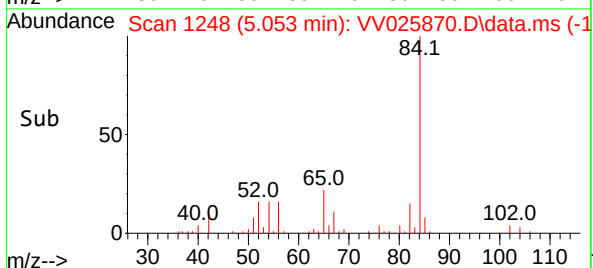
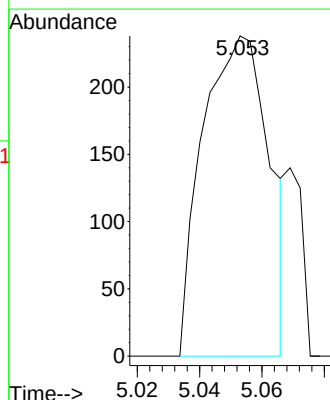
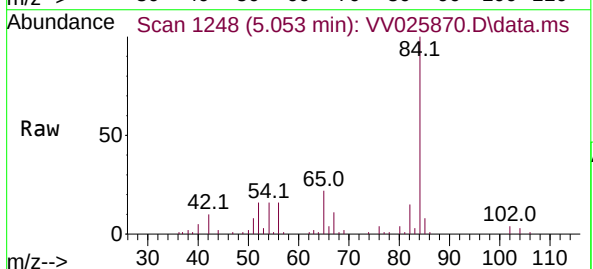
RT: 5.053 min Scan# 1248

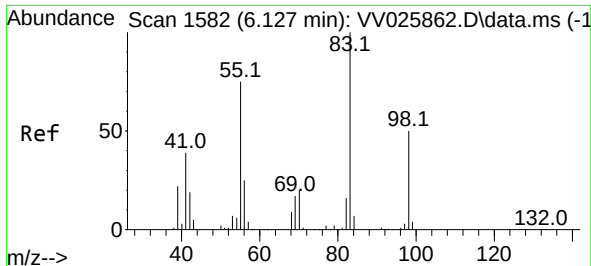
Delta R.T. -0.042 min

Lab File: VV025870.D

Acq: 10 May 2022 19:08

Tgt Ion: 78 Resp: 351

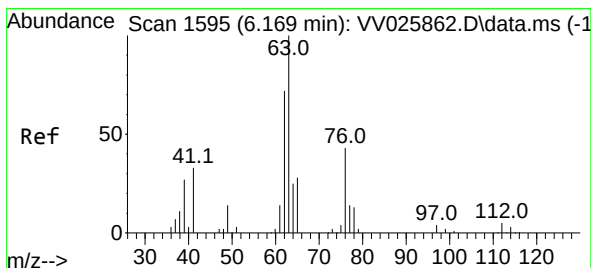
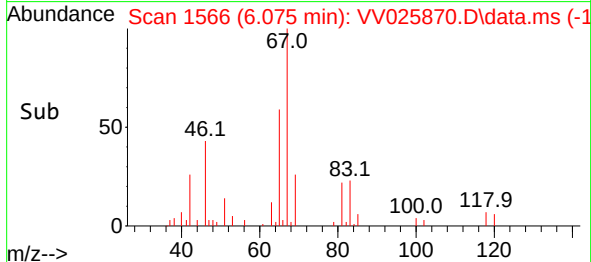
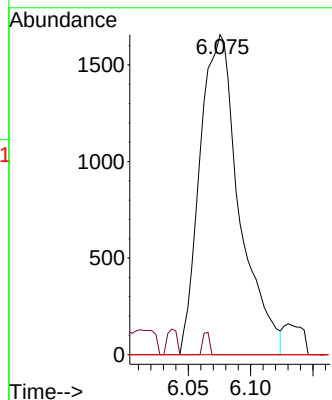
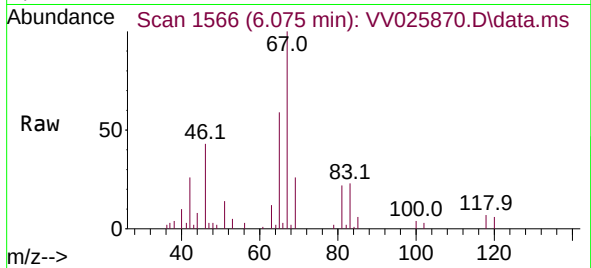




#35
Methylcyclohexane
Concen: 35.024 ug/L
RT: 6.075 min Scan# 1566
Delta R.T. -0.051 min
Lab File: VV025870.D
Acq: 10 May 2022 19:08

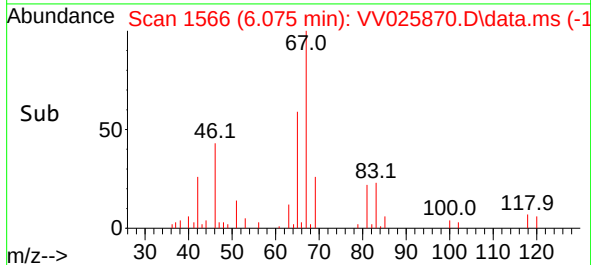
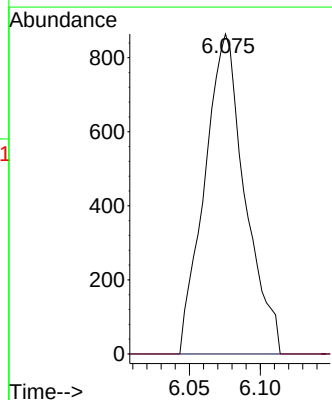
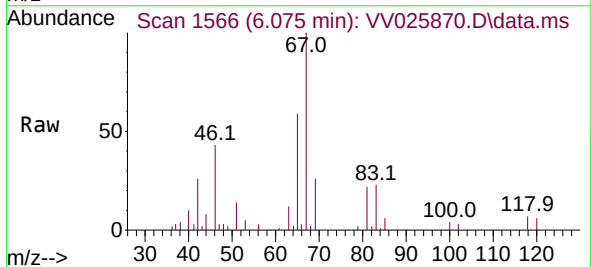
Instrument :
MSVOA_V
ClientSampleId :
EW2W4ME

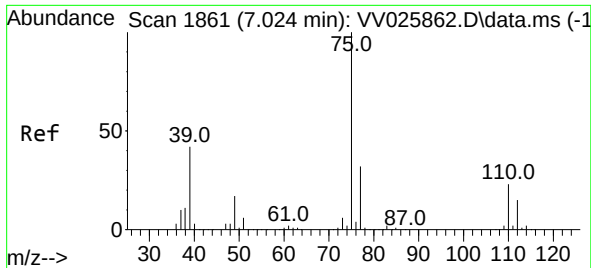
Tgt Ion: 83 Resp: 3651
Ion Ratio Lower Upper
83 100
55 1.2 58.6 87.8#
98 0.0 39.1 58.7#



#37
1,2-Dichloropropane
Concen: 25.596 ug/L
RT: 6.075 min Scan# 1566
Delta R.T. -0.093 min
Lab File: VV025870.D
Acq: 10 May 2022 19:08

Tgt Ion: 63 Resp: 1711
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#

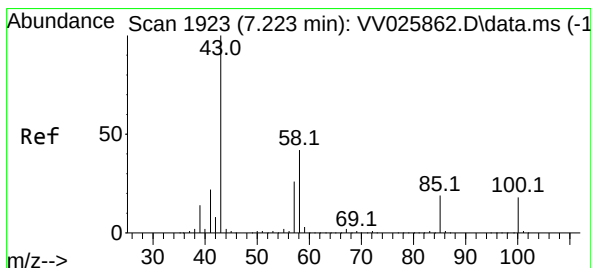
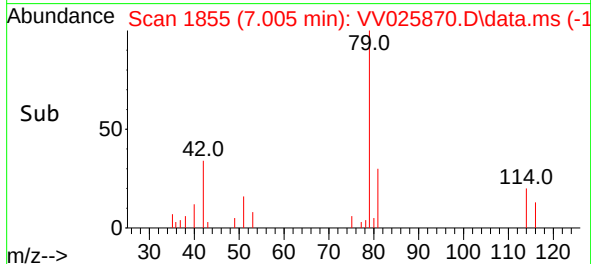
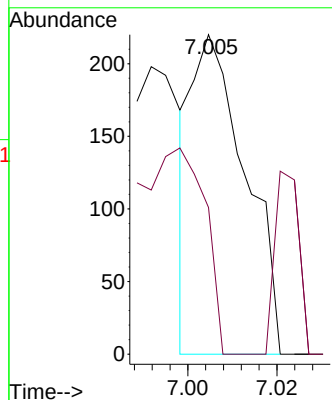
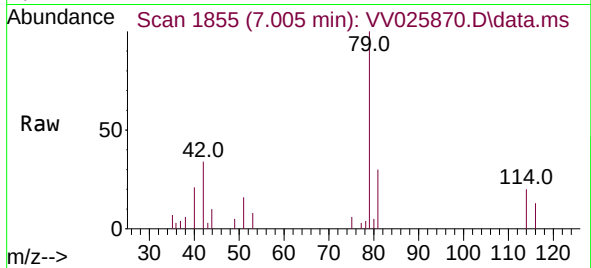




#39
 cis-1,3-Dichloropropene
 Concen: 1.930 ug/L
 RT: 7.005 min Scan# 11
 Delta R.T. -0.019 min
 Lab File: VV025870.D
 Acq: 10 May 2022 19:08

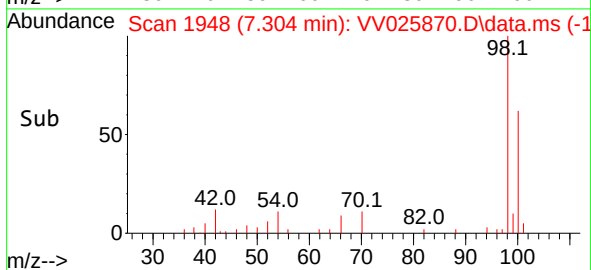
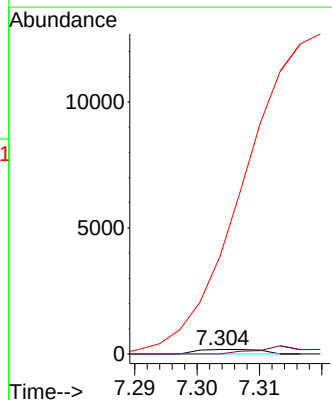
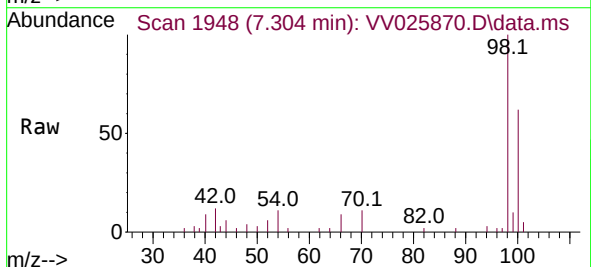
Instrument :
 MSVOA_V
 ClientSampleId :
 EW2W4ME

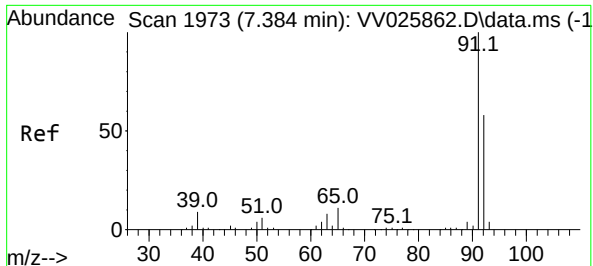
Tgt Ion: 75 Resp: 184
 Ion Ratio Lower Upper
 75 100
 77 45.9 22.4 41.6#



#40
 4-Methyl-2-pentanone
 Concen: 1.613 ug/L
 RT: 7.304 min Scan# 1948
 Delta R.T. 0.080 min
 Lab File: VV025870.D
 Acq: 10 May 2022 19:08

Tgt Ion: 43 Resp: 126
 Ion Ratio Lower Upper
 43 100
 58 113.5 32.9 49.3#
 100 0.0 13.7 20.5#





#42

Toluene

Concen: 1.412 ug/L

RT: 7.403 min Scan# 1979

Delta R.T. 0.019 min

Lab File: VV025870.D

Acq: 10 May 2022 19:08

Instrument :

MSVOA_V

ClientSampleId :

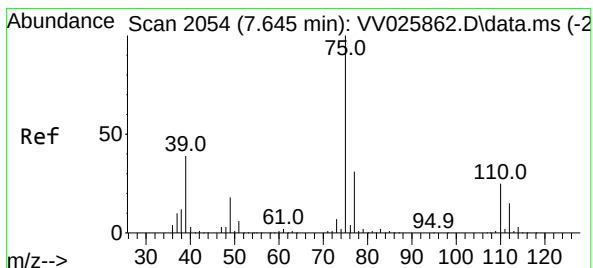
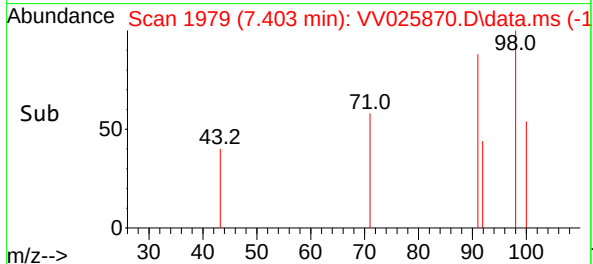
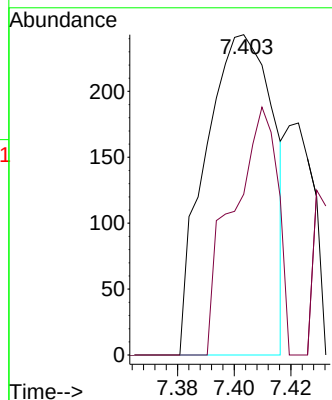
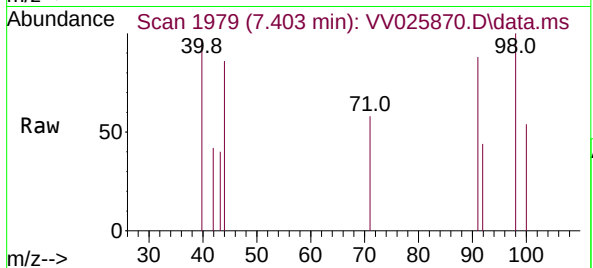
EW2W4ME

Tgt Ion: 91 Resp: 403

Ion Ratio Lower Upper

91 100

92 50.2 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 1.756 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.003 min

Lab File: VV025870.D

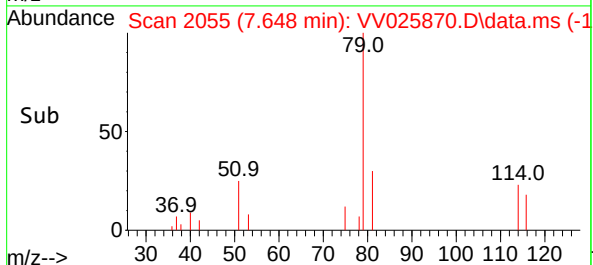
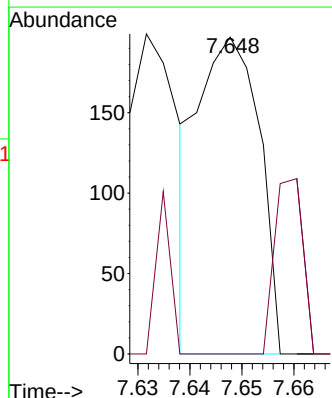
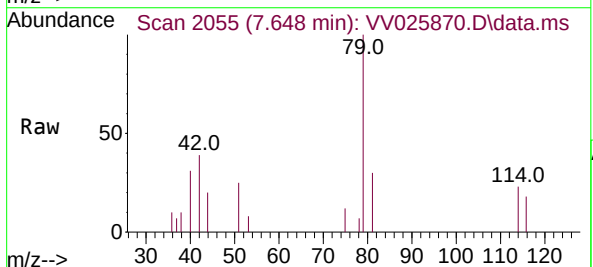
Acq: 10 May 2022 19:08

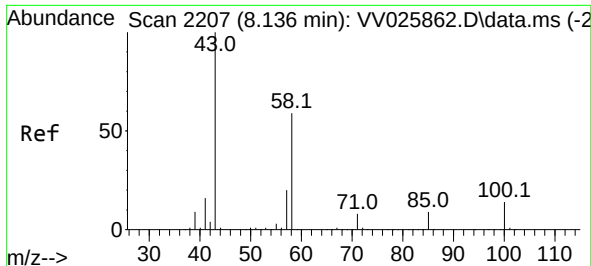
Tgt Ion: 75 Resp: 161

Ion Ratio Lower Upper

75 100

77 0.0 21.8 40.4#

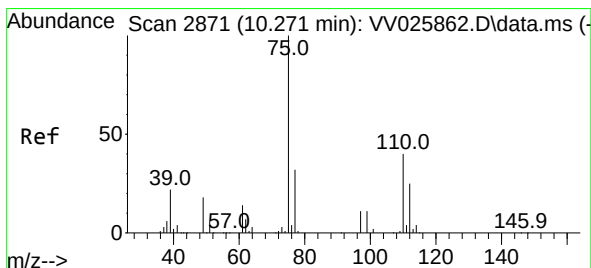
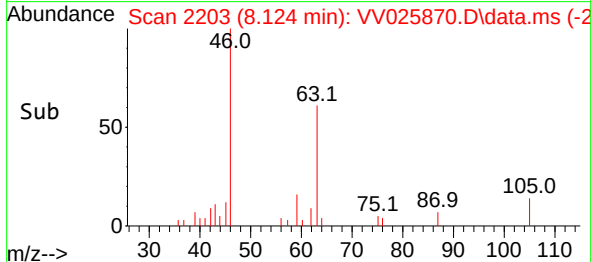
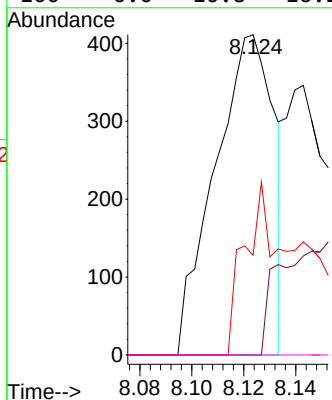
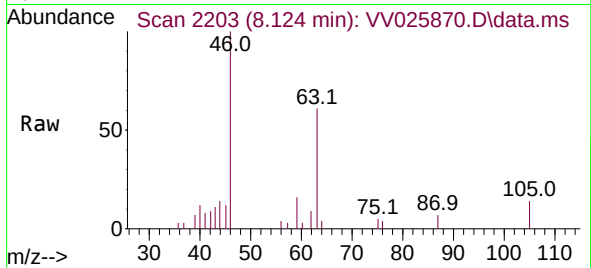




#48
2-Hexanone
Concen: 10.609 ug/L
RT: 8.124 min Scan# 21
Delta R.T. -0.013 min
Lab File: VV025870.D
Acq: 10 May 2022 19:08

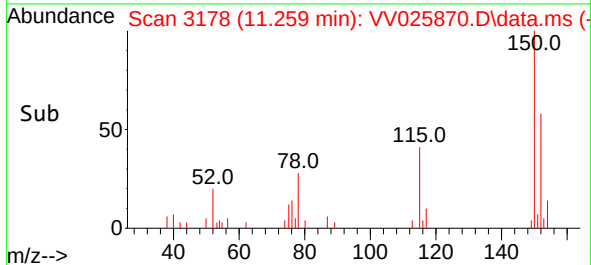
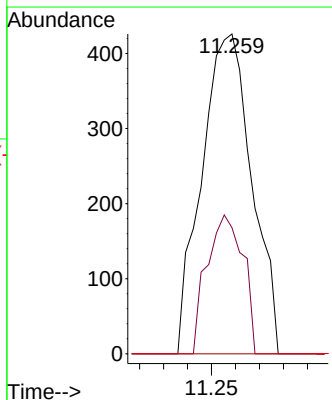
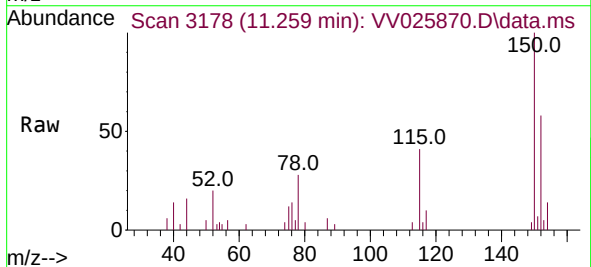
Instrument :
MSVOA_V
ClientSampleId :
EW2W4ME

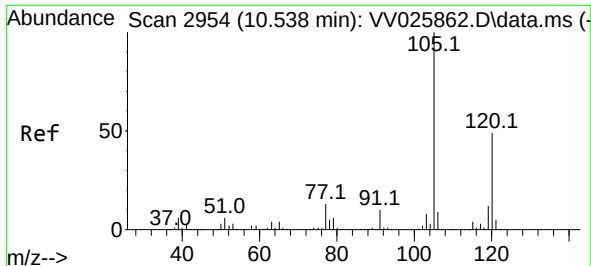
Tgt Ion: 43	Resp: 645
Ion Ratio	Lower Upper
43 100	
58 0.0	45.9 68.9#
57 12.1	15.4 23.2#
100 0.0	10.8 16.2#



#61
1,2,3-Trichloropropane
Concen: 7.826 ug/L
RT: 11.259 min Scan# 3178
Delta R.T. 0.987 min
Lab File: VV025870.D
Acq: 10 May 2022 19:08

Tgt Ion: 75	Resp: 619
Ion Ratio	Lower Upper
75 100	
77 31.3	25.3 37.9
110 0.0	32.3 48.5#





#62

1,3,5-Trimethylbenzene

Concen: 0.928 ug/L

RT: 10.931 min Scan# 3076

Delta R.T. 0.392 min

Lab File: VV025870.D

Acq: 10 May 2022 19:08

Instrument :

MSVOA_V

ClientSampleId :

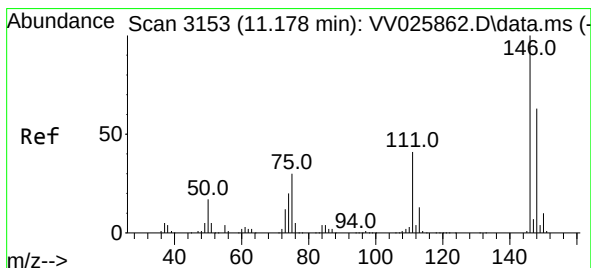
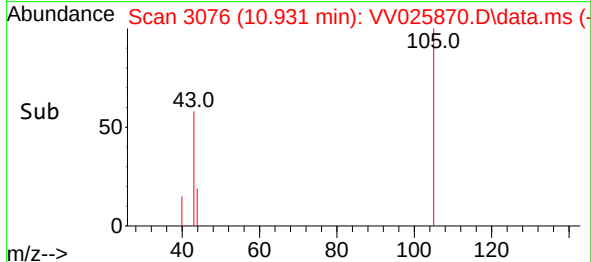
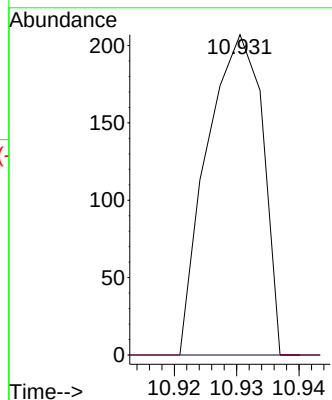
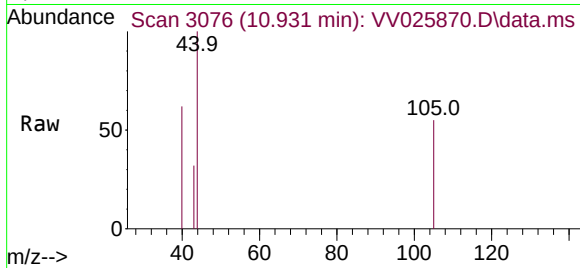
EW2W4ME

Tgt Ion:105 Resp: 128

Ion Ratio Lower Upper

105 100

120 0.0 39.4 59.2#



#64

1,3-Dichlorobenzene

Concen: 1.192 ug/L

RT: 11.194 min Scan# 3158

Delta R.T. 0.016 min

Lab File: VV025870.D

Acq: 10 May 2022 19:08

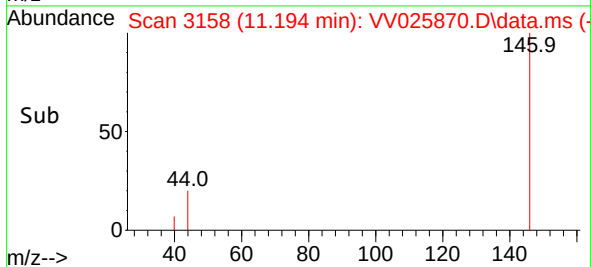
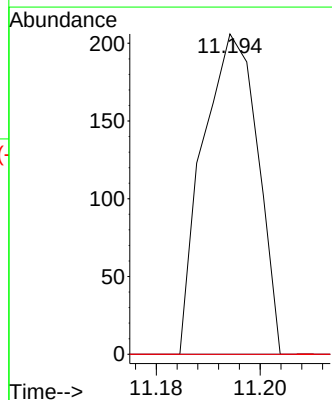
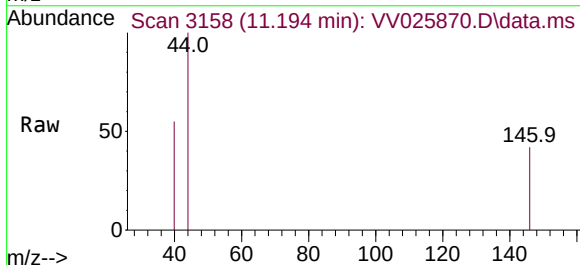
Tgt Ion:146 Resp: 151

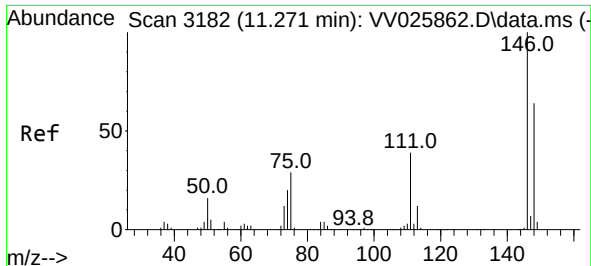
Ion Ratio Lower Upper

146 100

111 0.0 28.1 52.1#

148 0.0 44.0 81.8#

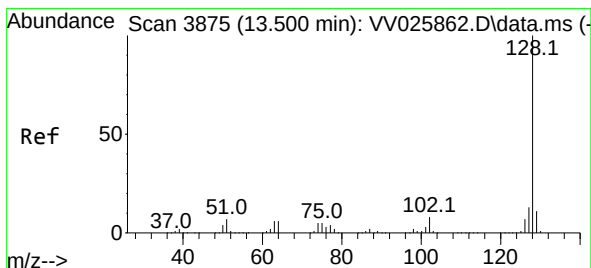
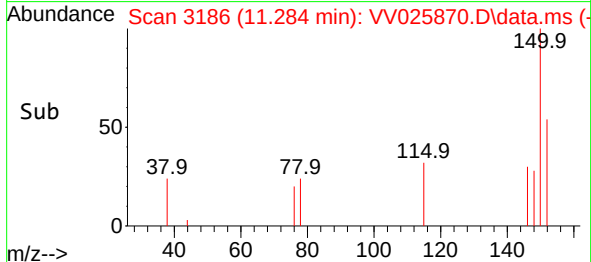
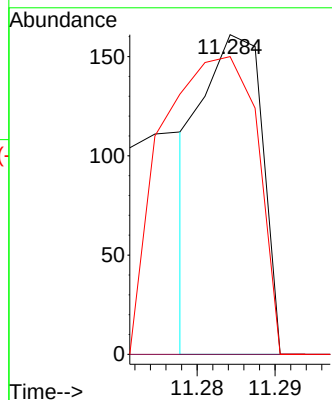
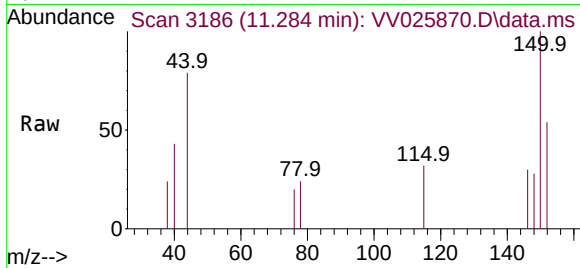




#65
1,4-Dichlorobenzene
Concen: 0.648 ug/L
RT: 11.284 min Scan# 3186
Delta R.T. 0.013 min
Lab File: VV025870.D
Acq: 10 May 2022 19:08

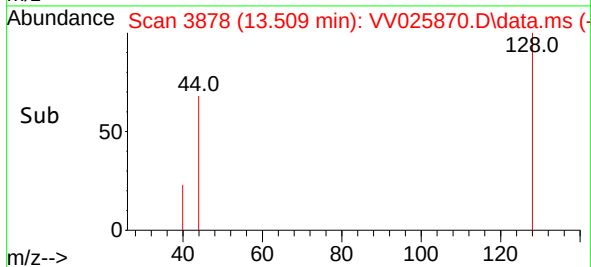
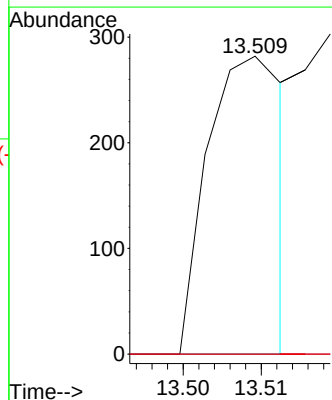
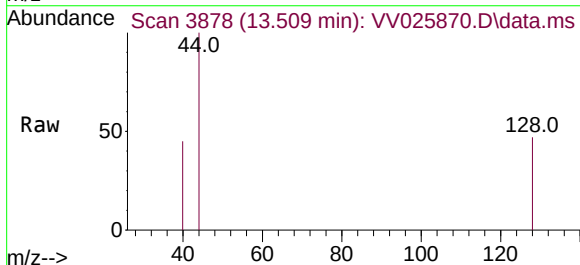
Instrument :
MSVOA_V
ClientSampleId :
EW2W4ME

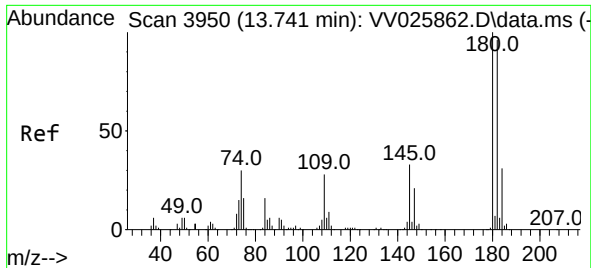
Tgt Ion:146 Resp: 86
Ion Ratio Lower Upper
146 100
111 0.0 26.7 49.7#
148 93.2 44.2 82.2#



#71
Naphthalene
Concen: 0.870 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.010 min
Lab File: VV025870.D
Acq: 10 May 2022 19:08

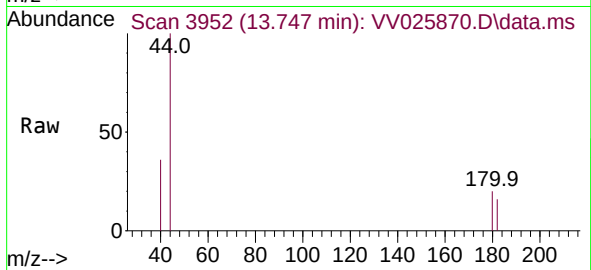
Tgt Ion:128 Resp: 192
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.8 13.2#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.659 ug/L
 RT: 13.747 min Scan# 3952
 Delta R.T. 0.006 min
 Lab File: VV025870.D
 Acq: 10 May 2022 19:08

Instrument :
 MSVOA_V
 ClientSampleId :
 EW2W4ME



Tgt Ion:180 Resp: 50
 Ion Ratio Lower Upper
 180 100
 182 200.0 75.8 113.8#
 145 0.0 26.3 39.5#

