

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120921\
 Data File : VW023855.D
 Acq On : 09 Dec 2021 12:45
 Operator : SY/MD
 Sample : M4984-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 10 00:42:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 02 02:08:23 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	102716	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	100884	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	49372	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	36944	4.381	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	87.600%	
7) Chloroethane-d5	1.568	69	30327	4.576	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	91.600%	
11) 1,1-Dichloroethene-d2	2.111	63	54168	3.645	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	73.000%	
20) 2-Butanone-d5	3.892	46	71285	70.323	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	140.640%#	
24) Chloroform-d	4.349	84	74051	5.043	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	100.800%	
26) 1,2-Dichloroethane-d4	5.031	65	35816	5.221	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	104.400%	
32) Benzene-d6	5.050	84	137109	4.989	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	99.800%	
36) 1,2-Dichloropropane-d6	6.069	67	39792	5.165	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	103.200%	
41) Toluene-d8	7.317	98	116149	4.523	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.400%	
43) trans-1,3-Dichloroprop...	7.622	79	15593	5.021	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	100.400%	
46) 2-Hexanone-d5	8.088	63	66990	64.925	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	129.860%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	28875	5.208	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	104.200%	
66) 1,2-Dichlorobenzene-d4	11.625	152	50059	5.735	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	114.600%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.121	96	9138	1.328	ug/L #	1
16) Methylene chloride	2.510	84	4046	0.412	ug/L	92
18) trans-1,2-Dichloroethene	2.767	96	680	0.087	ug/L	74
19) 1,1-Dichloroethane	3.191	63	23075	1.751	ug/L	98
22) cis-1,2-Dichloroethene	3.915	96	9627	1.281	ug/L	99
27) 1,2-Dichloroethane	5.043	62	865	0.111	ug/L #	73
29) 1,1,1-Trichloroethane	4.609	97	72504	5.500	ug/L	99
31) Carbon tetrachloride	4.609	117	9708	0.804	ug/L	98
34) Trichloroethene	5.921	95	5268	0.684	ug/L	97
35) Methylcyclohexane	6.069	83	10858	0.904	ug/L #	18
37) 1,2-Dichloropropane	6.066	63	4650	0.680	ug/L #	84
39) cis-1,3-Dichloropropene	6.985	75	1385	0.142	ug/L #	44
47) Tetrachloroethene	7.976	164	7660	1.092	ug/L	95
49) Dibromochloromethane	7.976	129	6982	1.076	ug/L #	11
61) 1,2,3-Trichloropropane	11.249	75	4862	1.389	ug/L #	57
71) Naphthalene	13.512	128	681	0.055	ug/L #	69

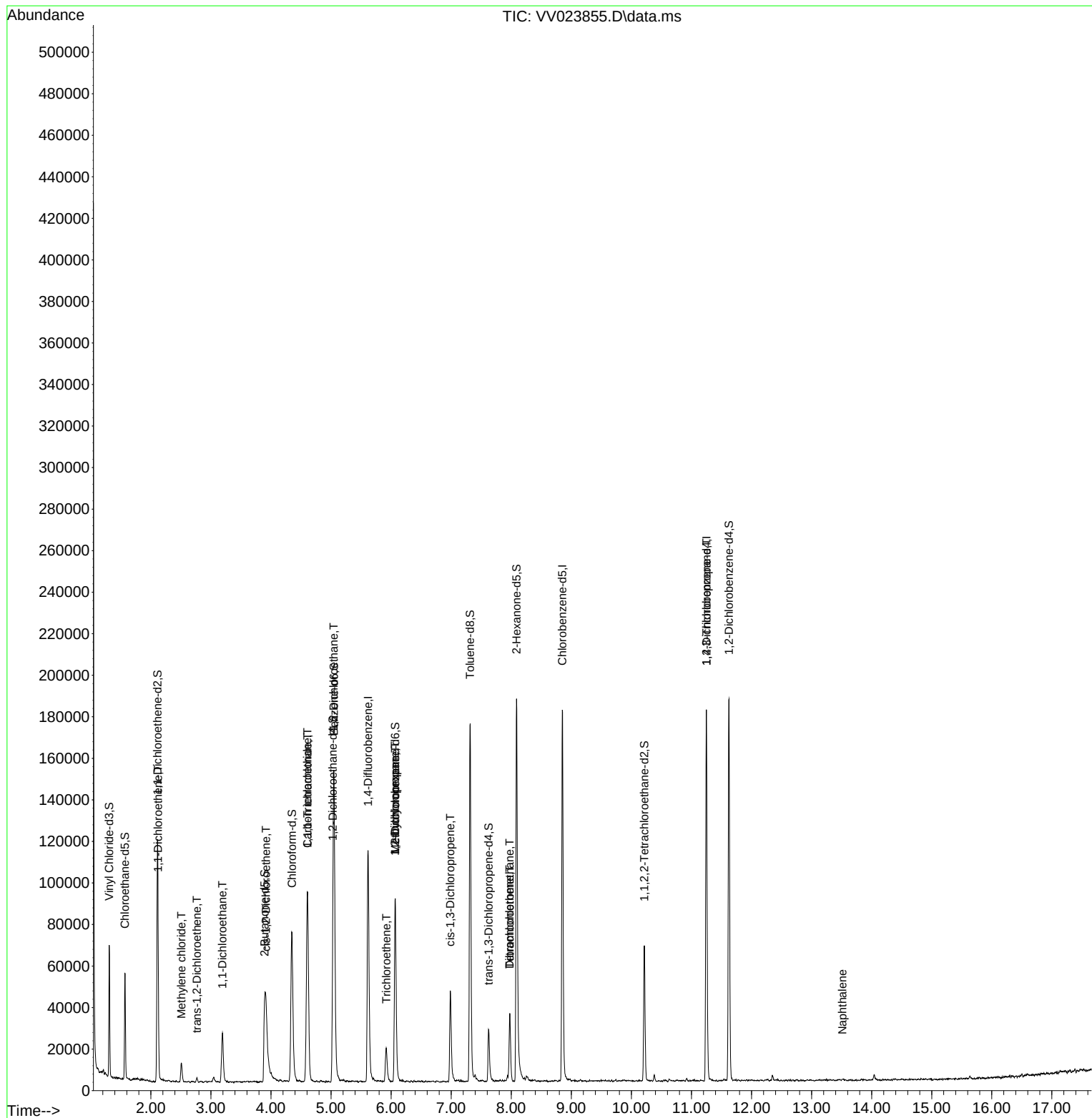
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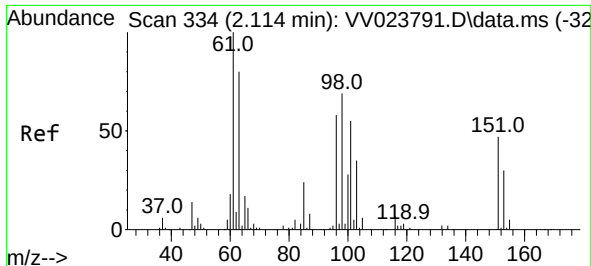
Instrument :
MSVOA_V
ClientSampleId :

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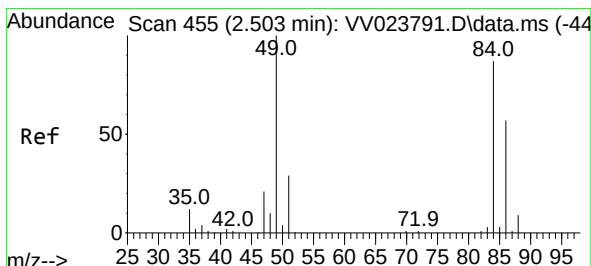
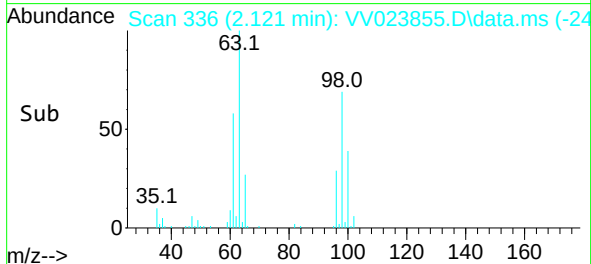
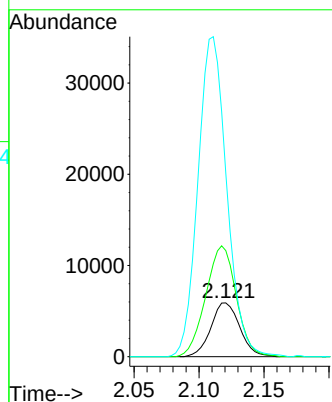
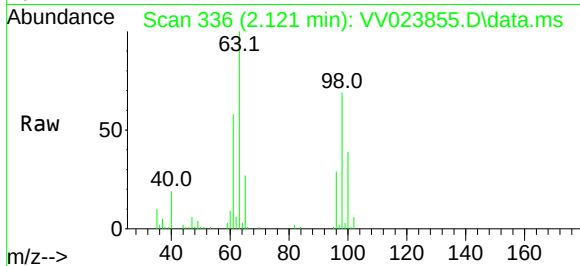




#12
1,1-Dichloroethene
Concen: 1.328 ug/L
RT: 2.121 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV023855.D
Acq: 09 Dec 2021 12:45

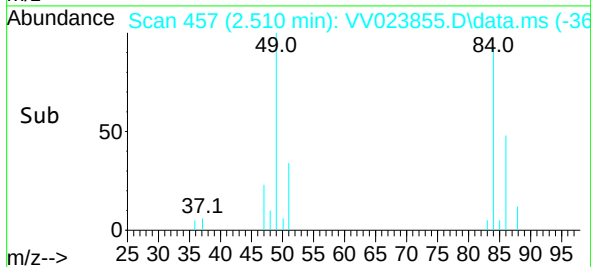
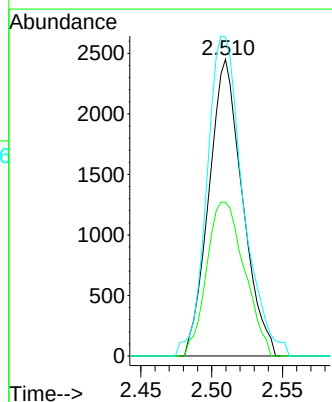
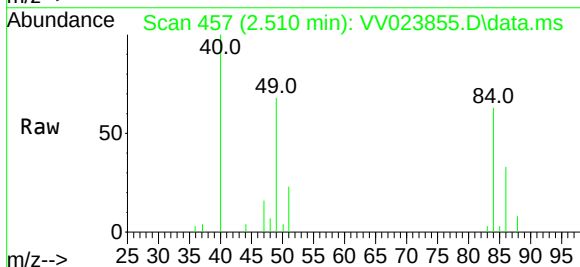
Instrument :
MSVOA_V
ClientSampleId :

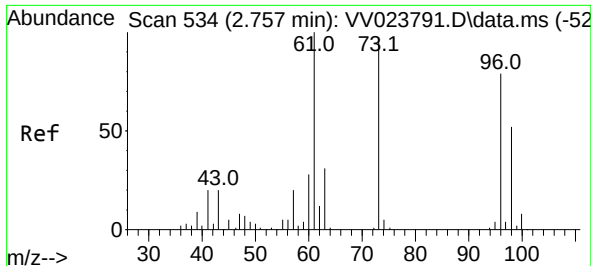
Tgt Ion: 96 Resp: 9138
Ion Ratio Lower Upper
96 100
61 197.5 116.1 215.5
63 341.5 79.4 147.4#



#16
Methylene chloride
Concen: 0.412 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.003 min
Lab File: VV023855.D
Acq: 09 Dec 2021 12:45

Tgt Ion: 84 Resp: 4046
Ion Ratio Lower Upper
84 100
86 51.8 42.6 79.0
49 107.5 79.7 147.9

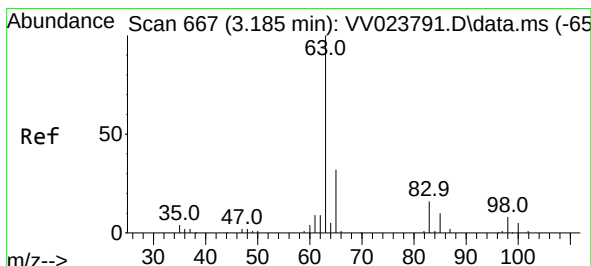
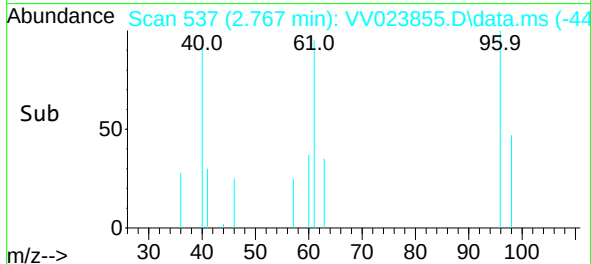
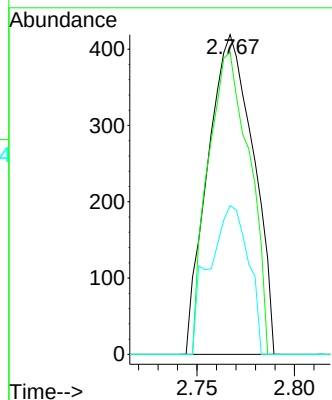
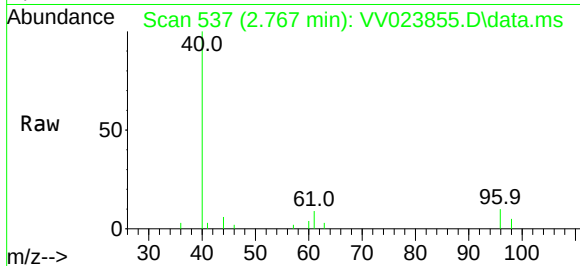




#18
trans-1,2-Dichloroethene
Concen: 0.087 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.010 min
Lab File: VV023855.D
Acq: 09 Dec 2021 12:45

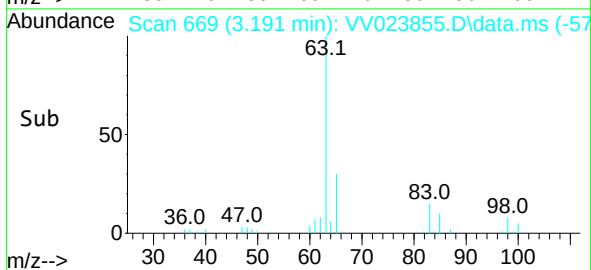
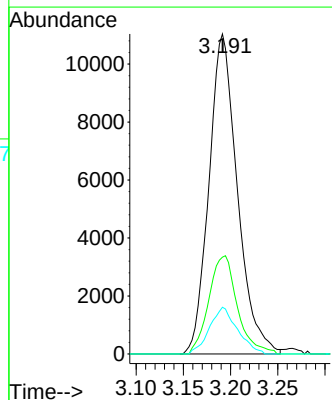
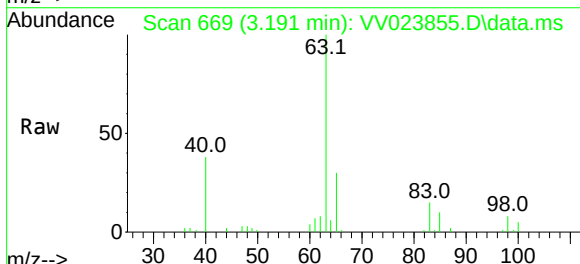
Instrument :
MSVOA_V
ClientSampleId :

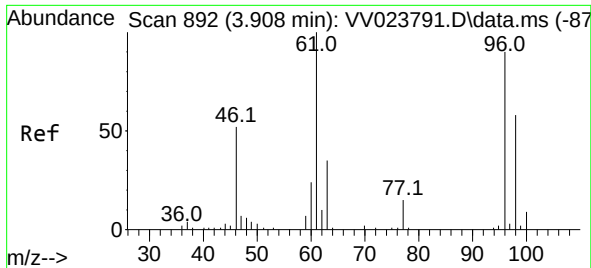
Tgt Ion: 96 Resp: 680
Ion Ratio Lower Upper
96 100
61 94.5 88.2 163.8
98 46.5 44.9 83.5



#19
1,1-Dichloroethane
Concen: 1.751 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.006 min
Lab File: VV023855.D
Acq: 09 Dec 2021 12:45

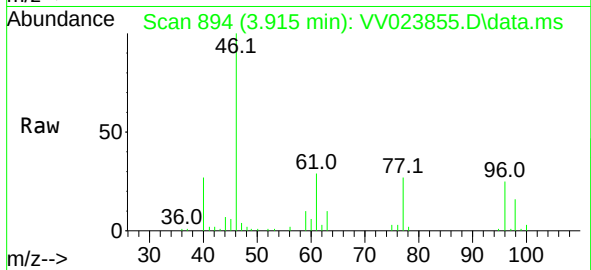
Tgt Ion: 63 Resp: 23075
Ion Ratio Lower Upper
63 100
65 30.3 22.3 41.3
83 14.6 10.7 19.9





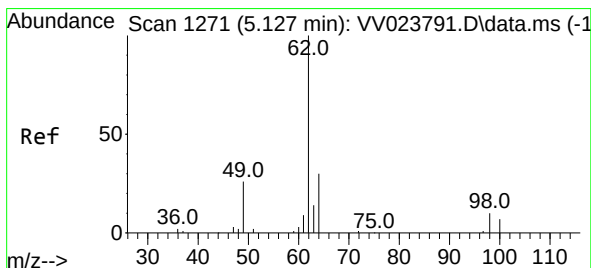
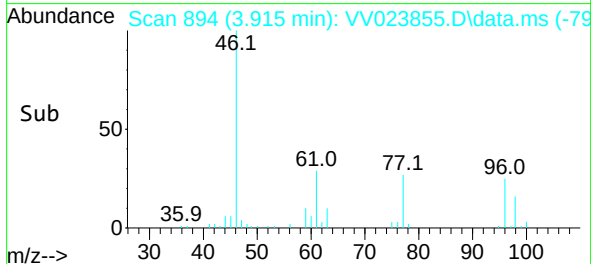
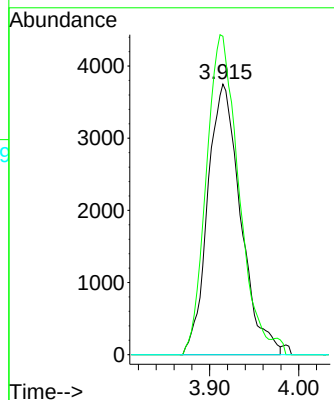
#22
 cis-1,2-Dichloroethene
 Concen: 1.281 ug/L
 RT: 3.915 min Scan# 89
 Delta R.T. 0.006 min
 Lab File: VV023855.D
 Acq: 09 Dec 2021 12:45

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 9627

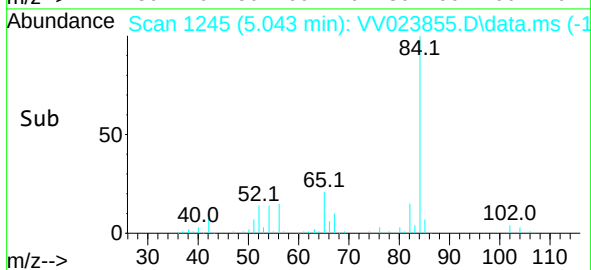
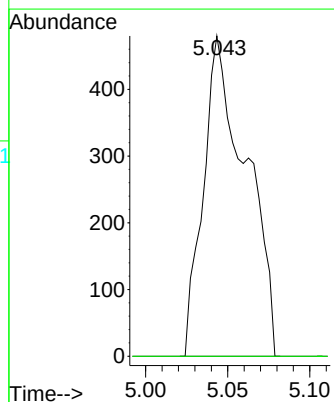
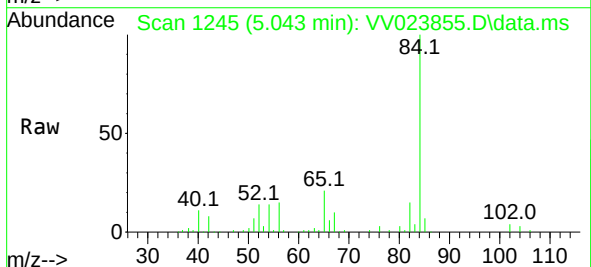
Ion	Ratio	Lower	Upper
96	100		
61	117.7	83.4	154.8
68	0.0	0.0	0.0

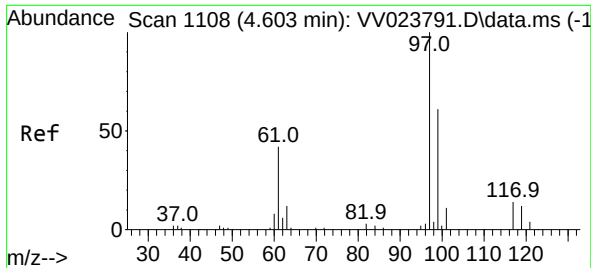


#27
 1,2-Dichloroethane
 Concen: 0.111 ug/L
 RT: 5.043 min Scan# 1245
 Delta R.T. -0.084 min
 Lab File: VV023855.D
 Acq: 09 Dec 2021 12:45

Tgt Ion: 62 Resp: 865

Ion	Ratio	Lower	Upper
62	100		
98	0.0	8.1	12.1#





#29

1,1,1-Trichloroethane

Concen: 5.500 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VV023855.D

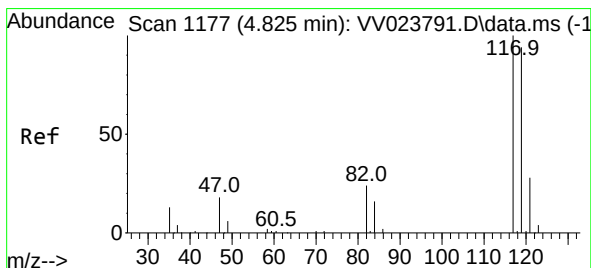
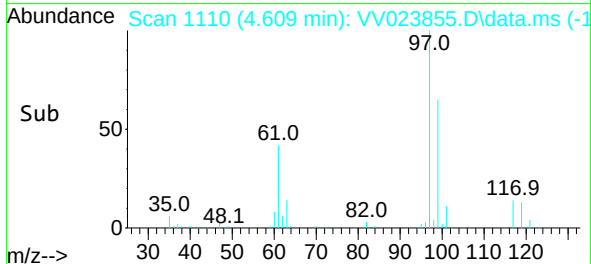
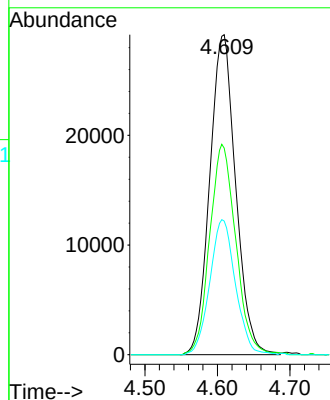
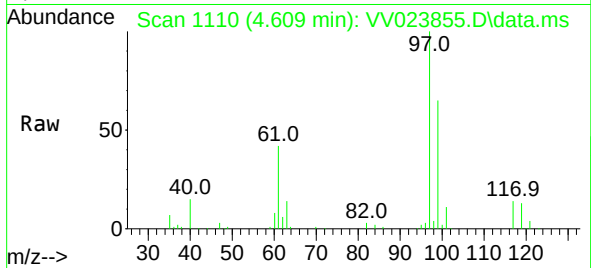
Acq: 09 Dec 2021 12:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97	Resp: 72504
Ion Ratio	Lower Upper
97 100	
99 66.3	51.9 77.9
61 41.7	33.2 49.8



#31

Carbon tetrachloride

Concen: 0.804 ug/L

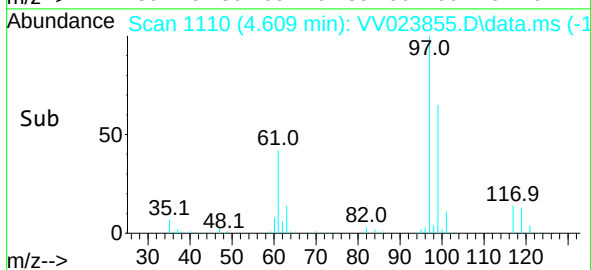
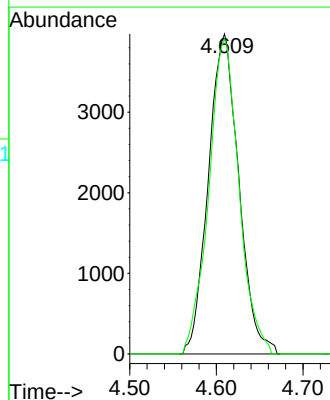
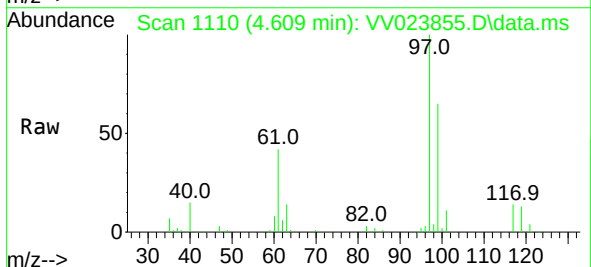
RT: 4.609 min Scan# 1110

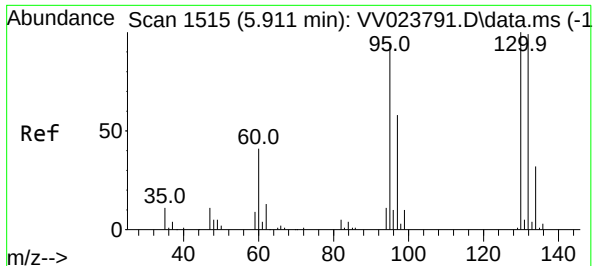
Delta R.T. -0.215 min

Lab File: VV023855.D

Acq: 09 Dec 2021 12:45

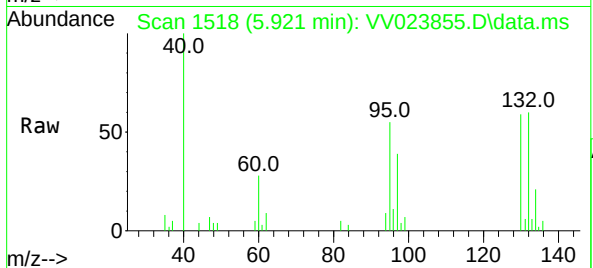
Tgt Ion: 117	Resp: 9708
Ion Ratio	Lower Upper
117 100	
119 97.6	76.6 114.8



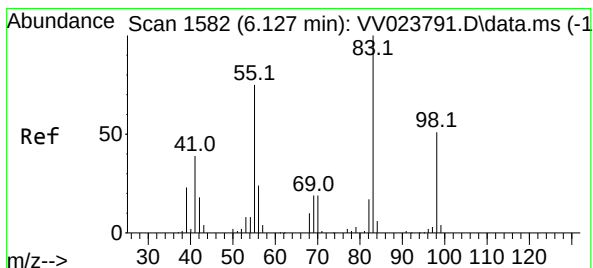
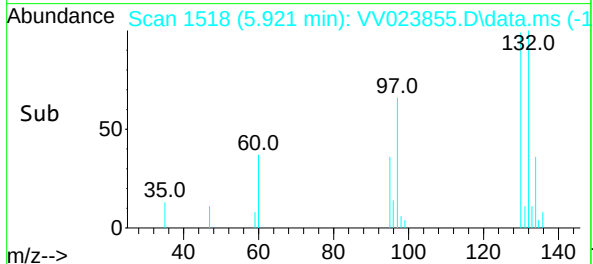
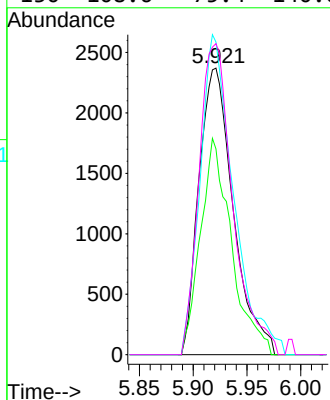


#34
Trichloroethene
Concen: 0.684 ug/L
RT: 5.921 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV023855.D
Acq: 09 Dec 2021 12:45

Instrument :
MSVOA_V
ClientSampleId :

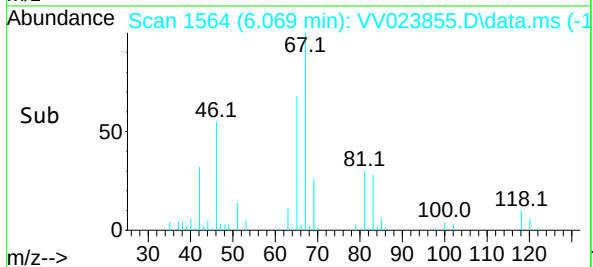
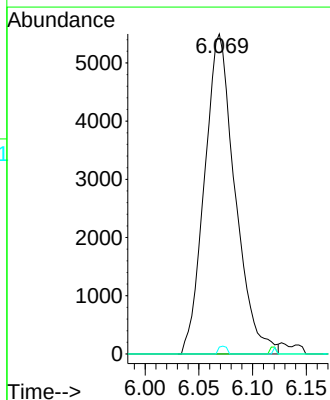
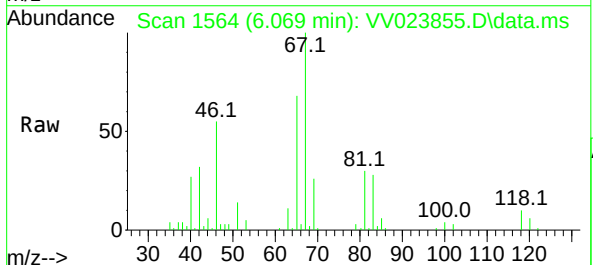


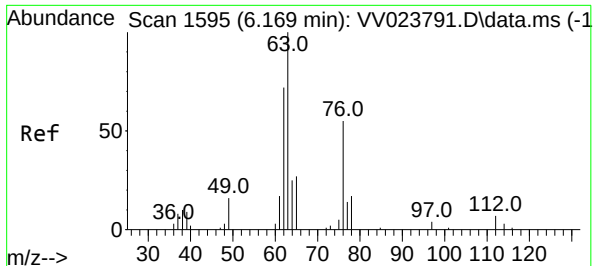
Tgt Ion: 95 Resp: 5268
Ion Ratio Lower Upper
95 100
97 71.8 45.2 84.0
132 109.1 76.1 141.3
130 108.6 75.4 140.0



#35
Methylcyclohexane
Concen: 0.904 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV023855.D
Acq: 09 Dec 2021 12:45

Tgt Ion: 83 Resp: 10858
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.2#
98 0.7 41.0 61.4#

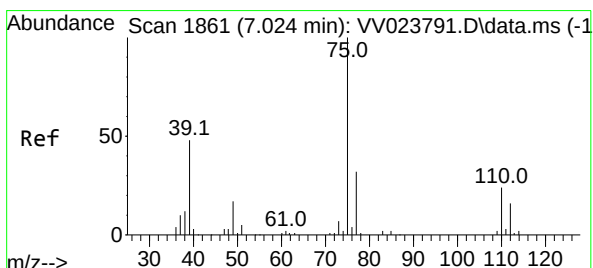
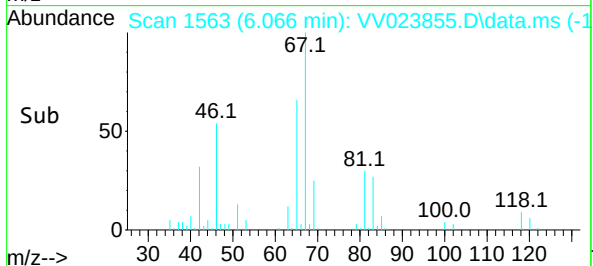
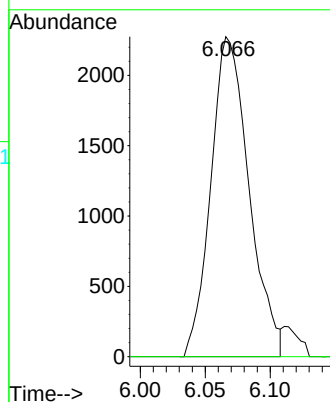
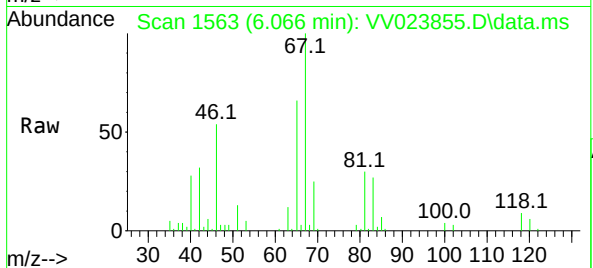




#37
1,2-Dichloropropane
Concen: 0.680 ug/L
RT: 6.066 min Scan# 11
Delta R.T. -0.103 min
Lab File: VV023855.D
Acq: 09 Dec 2021 12:45

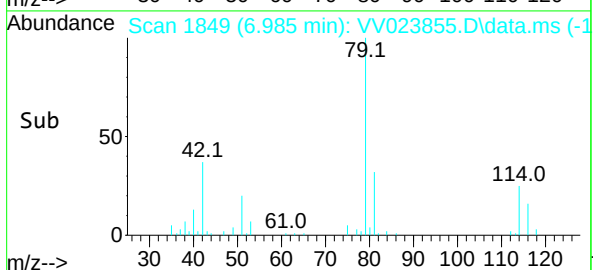
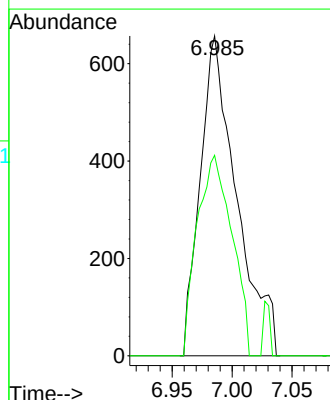
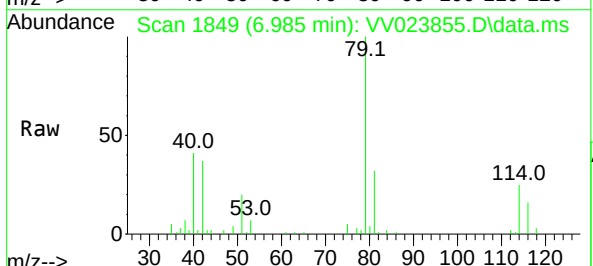
Instrument :
MSVOA_V
ClientSampleId :

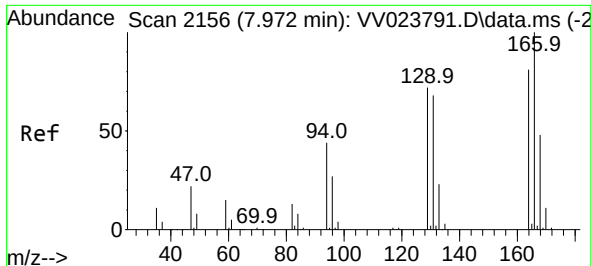
Tgt Ion: 63 Resp: 4650
Ion Ratio Lower Upper
63 100
112 0.0 4.3 6.5#



#39
cis-1,3-Dichloropropene
Concen: 0.142 ug/L
RT: 6.985 min Scan# 1849
Delta R.T. -0.039 min
Lab File: VV023855.D
Acq: 09 Dec 2021 12:45

Tgt Ion: 75 Resp: 1385
Ion Ratio Lower Upper
75 100
77 62.7 22.0 41.0#





#47

Tetrachloroethene

Concen: 1.092 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

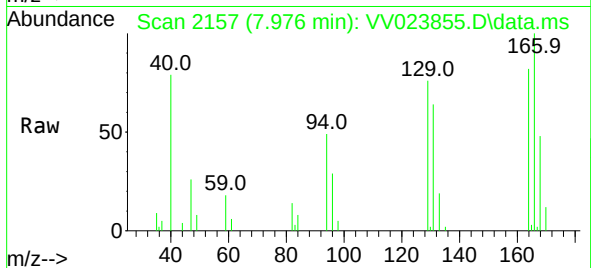
Lab File: VV023855.D

Acq: 09 Dec 2021 12:45

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 7660

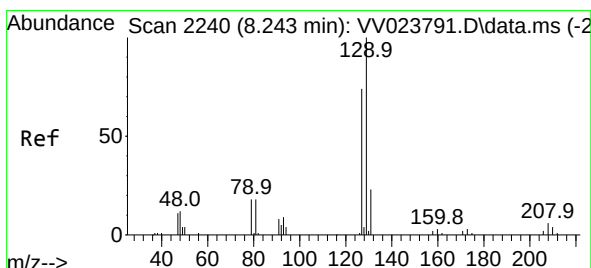
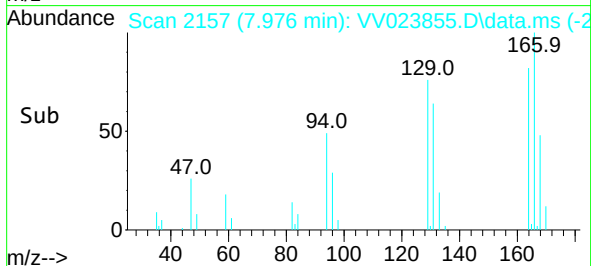
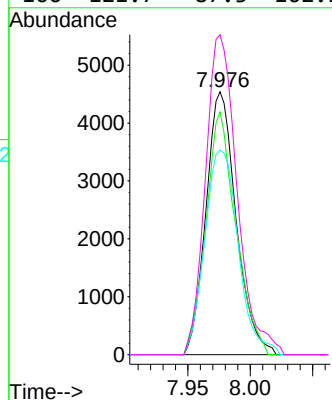
Ion Ratio Lower Upper

164 100

129 92.3 62.6 116.2

131 77.8 61.0 113.4

166 121.7 87.3 162.1



#49

Dibromochloromethane

Concen: 1.076 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV023855.D

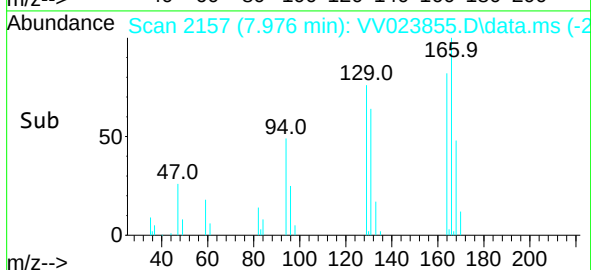
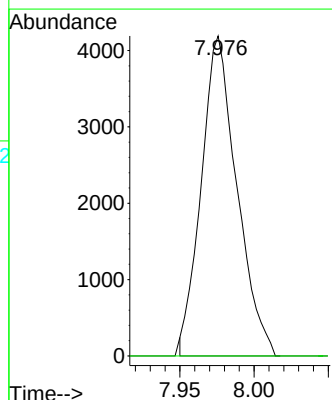
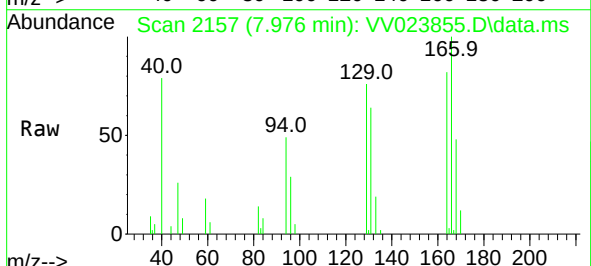
Acq: 09 Dec 2021 12:45

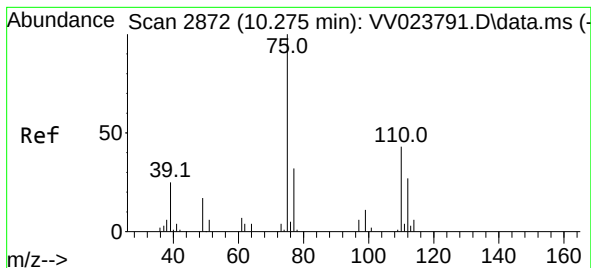
Tgt Ion:129 Resp: 6982

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#





#61

1,2,3-Trichloropropane

Concen: 1.389 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV023855.D

Acq: 09 Dec 2021 12:45

Instrument :

MSVOA_V

ClientSampleId :

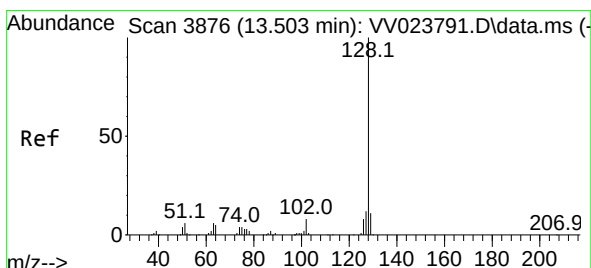
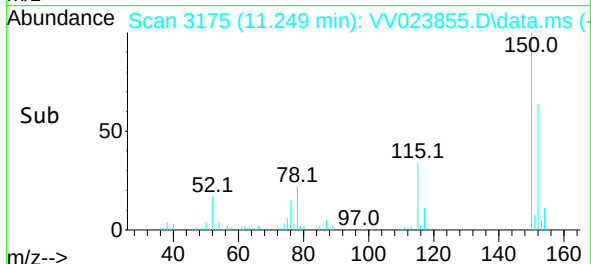
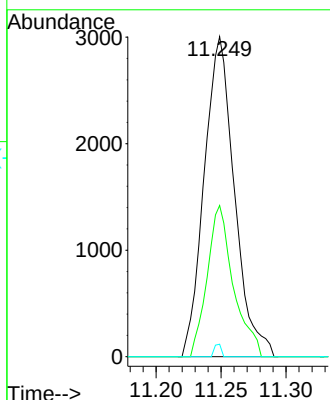
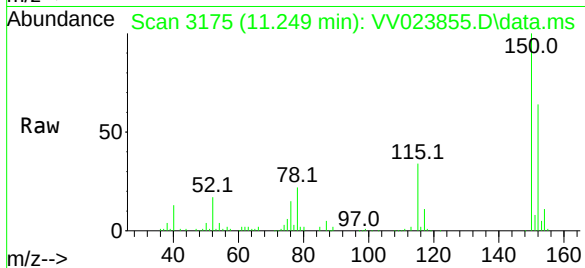
Tgt Ion: 75 Resp: 4862

Ion Ratio Lower Upper

75 100

77 40.9 26.4 39.6#

110 0.9 34.2 51.2#



#71

Naphthalene

Concen: 0.055 ug/L

RT: 13.512 min Scan# 3879

Delta R.T. 0.010 min

Lab File: VV023855.D

Acq: 09 Dec 2021 12:45

Tgt Ion: 128 Resp: 681

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

127 0.0 10.2 15.4#

