

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071724\
 Data File : VU059988.D
 Acq On : 17 Jul 2024 12:36
 Operator : MD/SY
 Sample : P3231-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK001

Quant Time: Jul 18 02:47:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 18 02:31:59 2024
 Response via : Initial Calibration

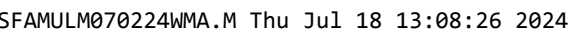
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

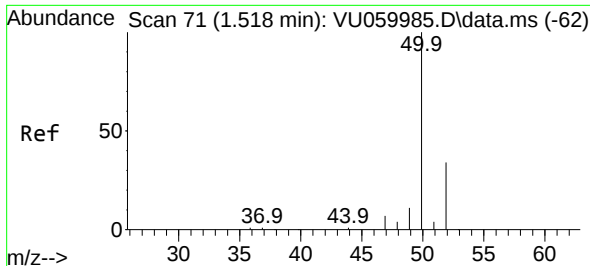
Internal Standards						
1) 1,4-Difluorobenzene	6.254	114	2202	50.000	ug/L	# 0.01
28) Chlorobenzene-d5	9.422	117	3508	50.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	11.820	152	2488	50.000	ug/L	0.01
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	780	55.169	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 110.340%		
7) Chloroethane-d5	1.856	69	45	3.784	ug/L	-0.04
Spiked Amount 50.000	Range 70	- 130	Recovery	= 7.560%#		
11) 1,1-Dichloroethene-d2	2.557	63	1362	54.225	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 108.460%		
21) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount 100.000	Range 40	- 130	Recovery	= 0.000%#		
24) Chloroform-d	5.062	84	809	29.548	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 59.100%#		
26) 1,2-Dichloroethane-d4	5.711	65	639	39.252	ug/L	0.02
Spiked Amount 50.000	Range 70	- 125	Recovery	= 78.500%		
32) Benzene-d6	5.734	84	1797	20.005	ug/L	0.02
Spiked Amount 50.000	Range 70	- 125	Recovery	= 40.000%#		
36) 1,2-Dichloropropane-d6	6.685	67	62	2.230	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 4.460%#		
41) Toluene-d8	7.904	98	2379	27.849	ug/L	0.01
Spiked Amount 50.000	Range 80	- 120	Recovery	= 55.700%#		
43) trans-1,3-Dichloroprop...	8.190	79	341	26.211	ug/L	0.01
Spiked Amount 50.000	Range 60	- 125	Recovery	= 52.420%#		
47) 2-Hexanone-d5	8.650	63	40	3.414	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 3.410%#		
56) 1,1,2,2-Tetrachloroeth...	10.756	84	1145	26.832	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 53.660%#		
66) 1,2-Dichlorobenzene-d4	12.200	152	2061	45.079	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 90.160%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	515	38.376	ug/L	85
6) Bromomethane	1.840	94	407	49.185	ug/L	78
8) Chloroethane	1.821	64	70	6.825	ug/L #	43
13) Acetone	2.634	43	422	41.709	ug/L	82
14) Carbon disulfide	2.788	76	701	21.272	ug/L #	76
16) Methylene chloride	3.026	84	223	13.545	ug/L #	62
17) trans-1,2-Dichloroethene	3.357	96	89	6.621	ug/L #	1
46) Tetrachloroethene	8.550	164	111	5.338	ug/L #	67
49) Dibromochloromethane	8.547	129	65	2.416	ug/L #	11
51) Chlorobenzene	9.454	112	208	3.030	ug/L #	74
60) 1,2,3-Trichloropropane	11.817	75	158	3.346	ug/L #	39
64) 1,3-Dichlorobenzene	11.759	146	214	2.845	ug/L #	26
65) 1,4-Dichlorobenzene	11.836	146	221	2.842	ug/L #	26
67) 1,2-Dichlorobenzene	12.212	146	123	1.619	ug/L #	25
71) Naphthalene	14.119	128	876	6.202	ug/L #	82
72) 1,2,3-Trichlorobenzene	14.341	180	99	2.019	ug/L #	21

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

Instrument :
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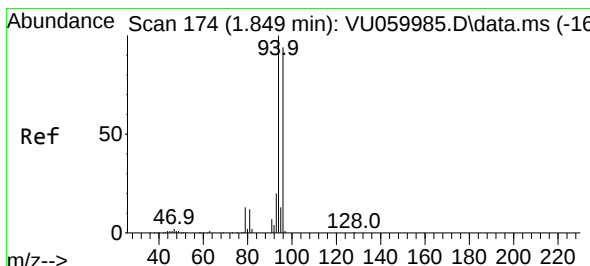
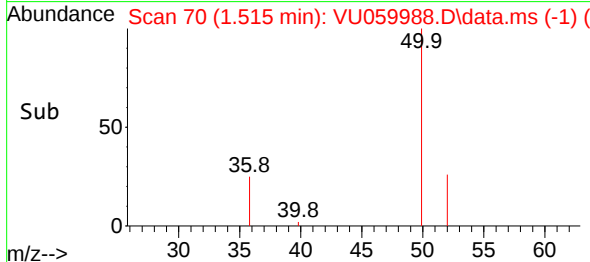
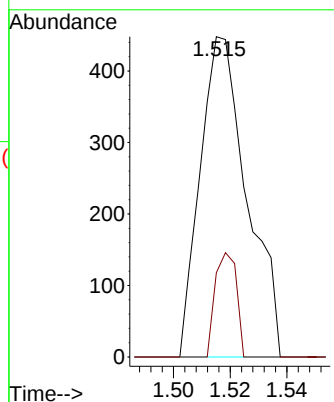
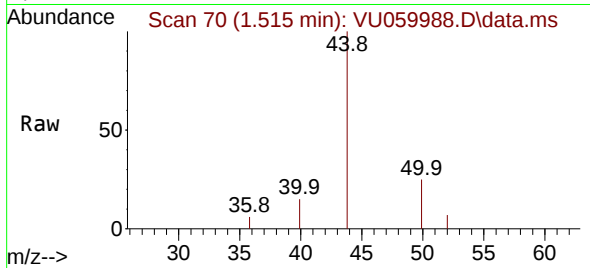




#3
Chloromethane
Concen: 38.376 ug/L
RT: 1.515 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU059988.D
Acq: 17 Jul 2024 12:36

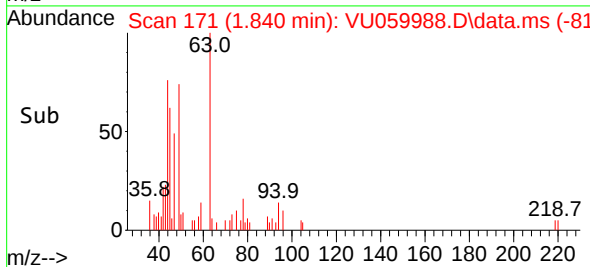
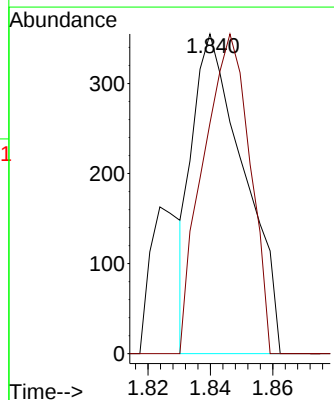
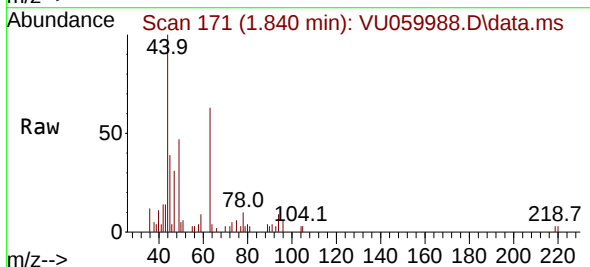
Instrument :
MSVOA_U
ClientSampleId :
VHBLK001

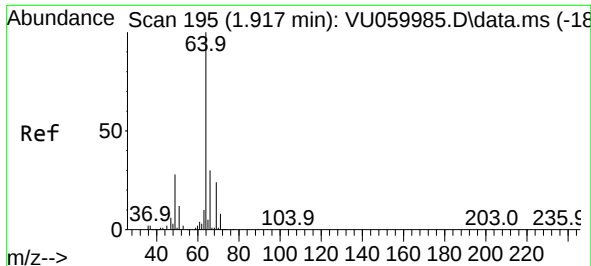
Tgt Ion: 50 Resp: 515
Ion Ratio Lower Upper
50 100
52 26.3 24.5 45.5



#6
Bromomethane
Concen: 49.185 ug/L
RT: 1.840 min Scan# 171
Delta R.T. -0.010 min
Lab File: VU059988.D
Acq: 17 Jul 2024 12:36

Tgt Ion: 94 Resp: 407
Ion Ratio Lower Upper
94 100
96 72.1 65.2 121.2

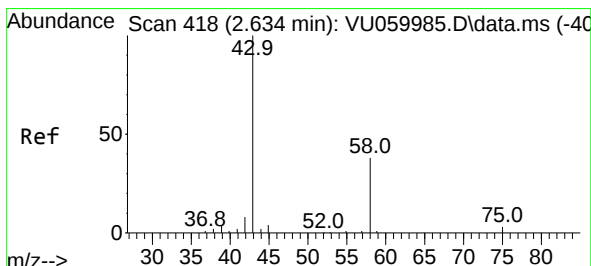
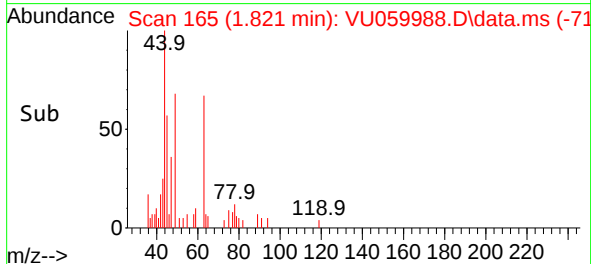
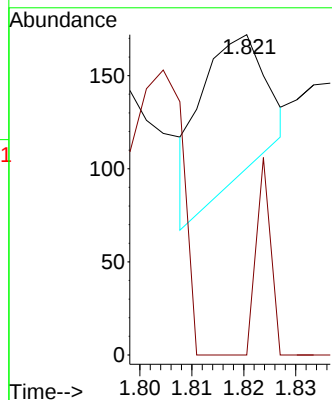
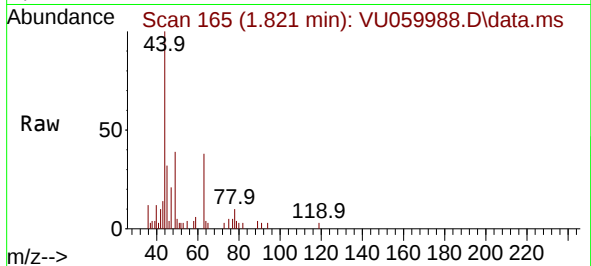




#8
Chloroethane
Concen: 6.825 ug/L
RT: 1.821 min Scan# 11
Delta R.T. -0.096 min
Lab File: VU059988.D
Acq: 17 Jul 2024 12:36

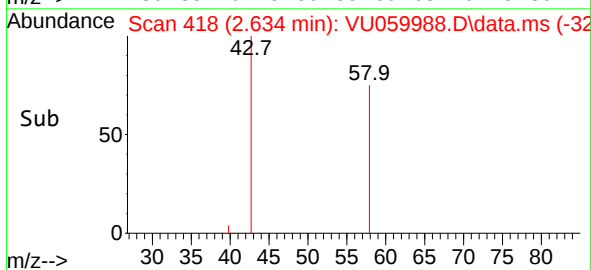
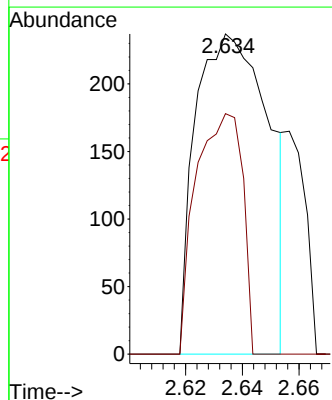
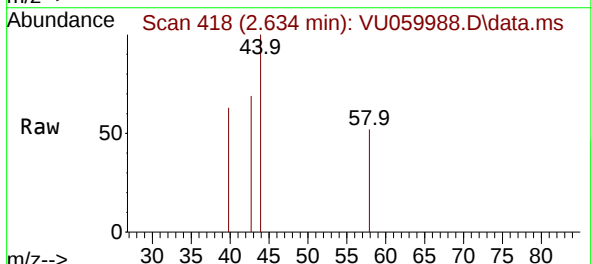
Instrument :
MSVOA_U
ClientSampleId :
VHBLK001

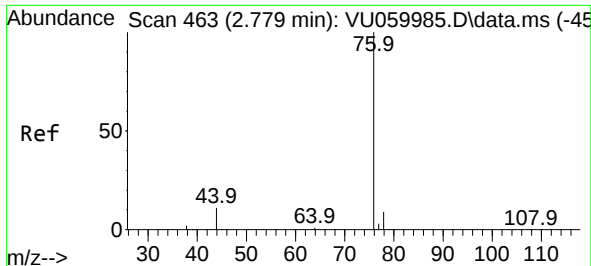
Tgt Ion: 64 Resp: 70
Ion Ratio Lower Upper
64 100
66 0.0 22.3 41.3#



#13
Acetone
Concen: 41.709 ug/L
RT: 2.634 min Scan# 418
Delta R.T. 0.000 min
Lab File: VU059988.D
Acq: 17 Jul 2024 12:36

Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
58 47.9 0.0 73.8

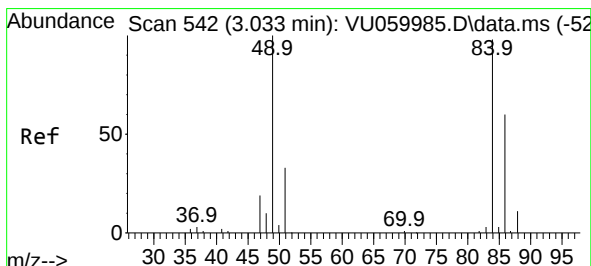
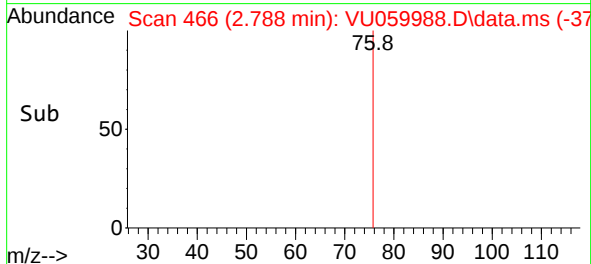
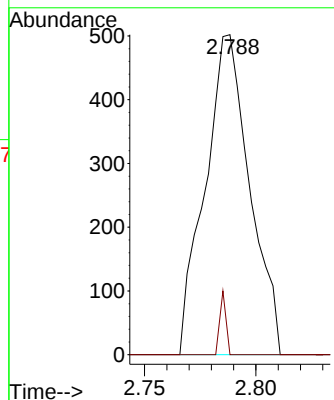
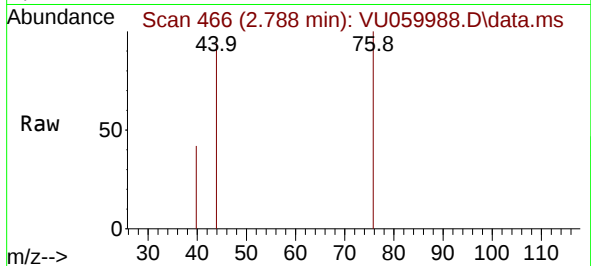




#14
Carbon disulfide
Concen: 21.272 ug/L
RT: 2.788 min Scan# 41
Delta R.T. 0.010 min
Lab File: VU059988.D
Acq: 17 Jul 2024 12:36

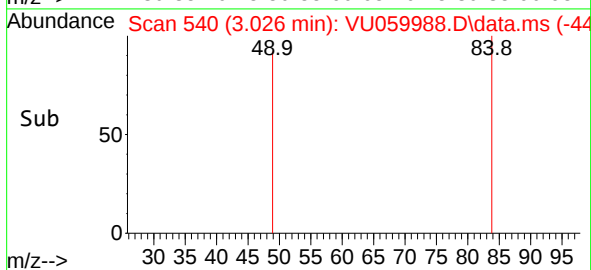
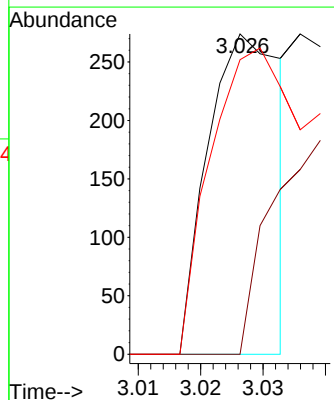
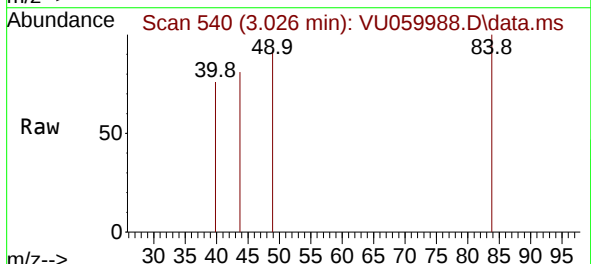
Instrument :
MSVOA_U
ClientSampleId :
VHBLK001

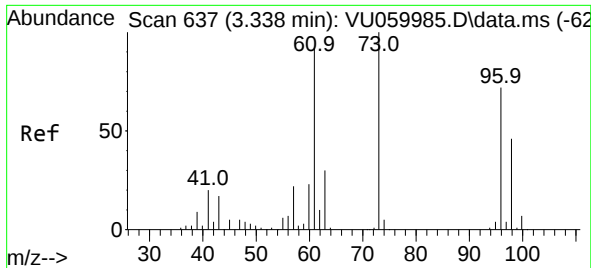
Tgt Ion: 76 Resp: 701
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#16
Methylene chloride
Concen: 13.545 ug/L
RT: 3.026 min Scan# 540
Delta R.T. -0.006 min
Lab File: VU059988.D
Acq: 17 Jul 2024 12:36

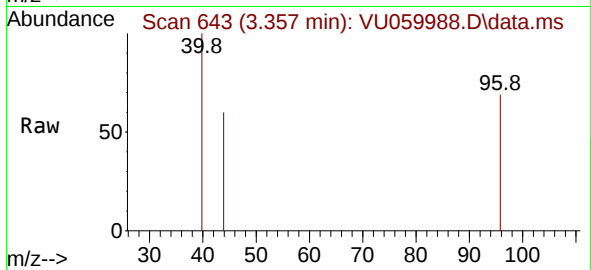
Tgt Ion: 84 Resp: 223
Ion Ratio Lower Upper
84 100
86 0.0 44.7 83.1#
49 92.0 71.6 133.0



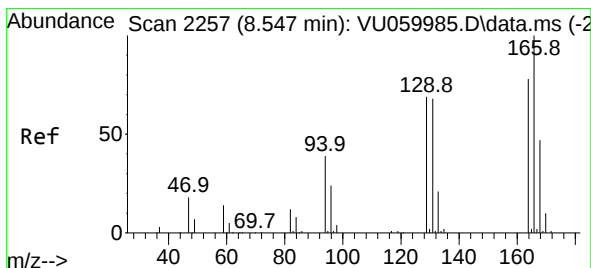
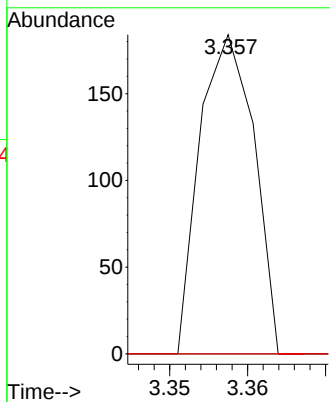
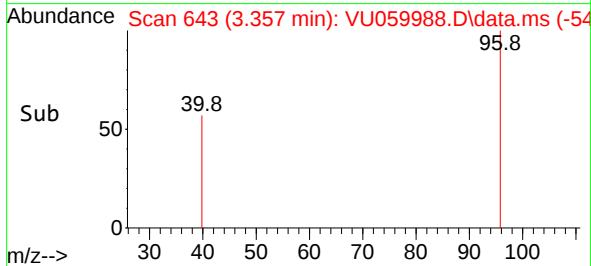


#17
trans-1,2-Dichloroethene
Concen: 6.621 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.019 min
Lab File: VU059988.D
Acq: 17 Jul 2024 12:36

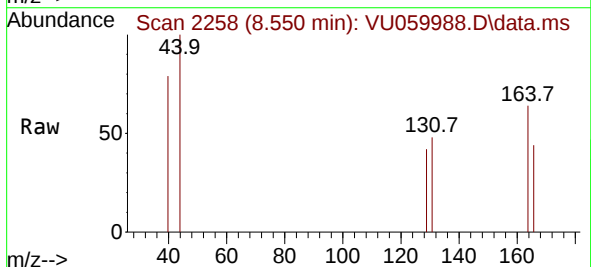
Instrument :
MSVOA_U
ClientSampleId :
VHBLK001



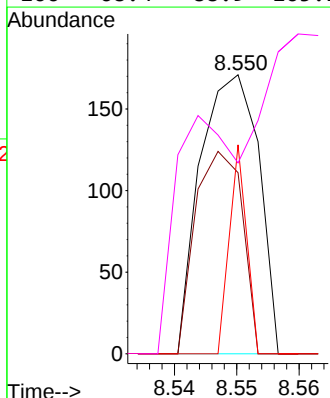
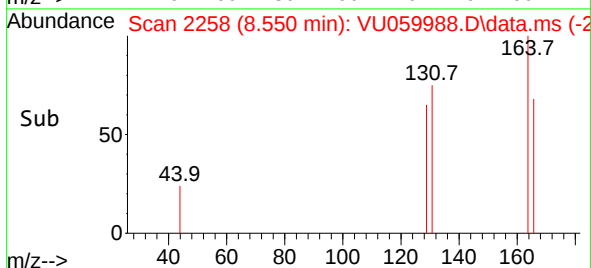
Tgt Ion: 96 Resp: 89
Ion Ratio Lower Upper
96 100
61 0.0 90.6 168.3#
98 0.0 44.9 83.3#

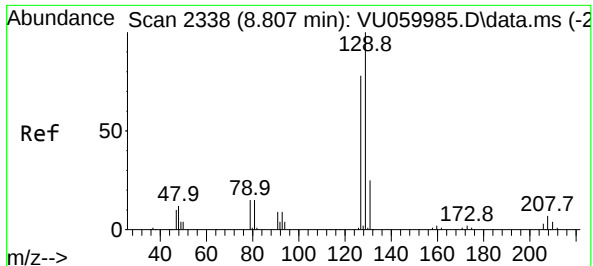


#46
Tetrachloroethene
Concen: 5.338 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU059988.D
Acq: 17 Jul 2024 12:36



Tgt Ion: 164 Resp: 111
Ion Ratio Lower Upper
164 100
129 64.9 62.7 116.5
131 74.9 62.3 115.7
166 68.4 88.9 165.1#





#49

Dibromochloromethane

Concen: 2.416 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.260 min

Lab File: VU059988.D

Acq: 17 Jul 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

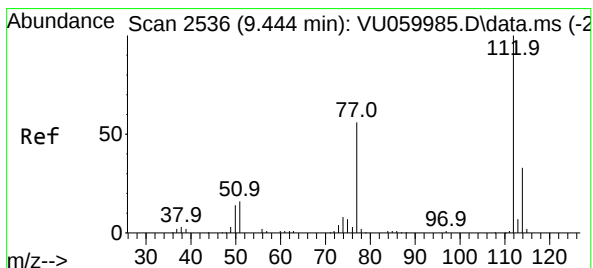
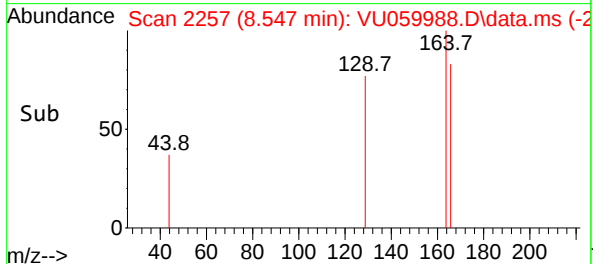
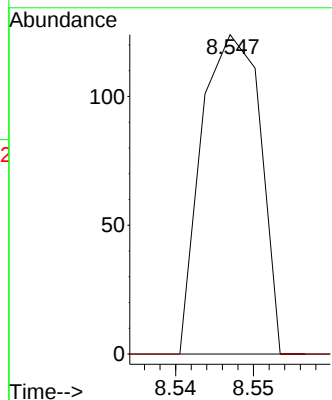
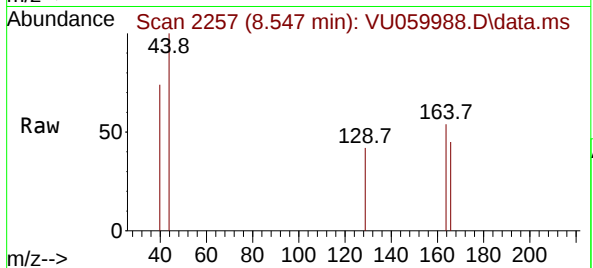
VHBLK001

Tgt Ion:129 Resp: 65

Ion Ratio Lower Upper

129 100

127 0.0 54.0 100.2#



#51

Chlorobenzene

Concen: 3.030 ug/L

RT: 9.454 min Scan# 2539

Delta R.T. 0.010 min

Lab File: VU059988.D

Acq: 17 Jul 2024 12:36

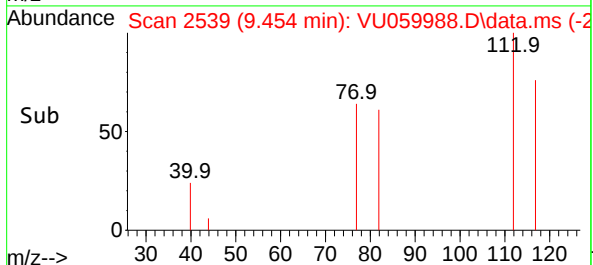
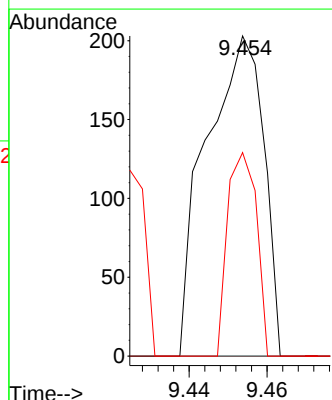
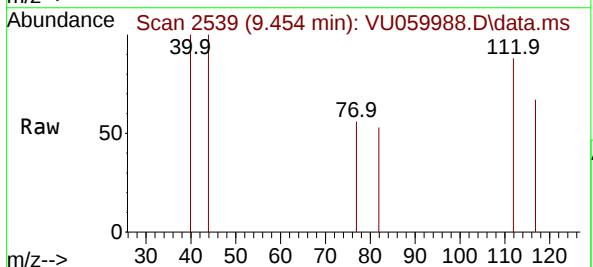
Tgt Ion:112 Resp: 208

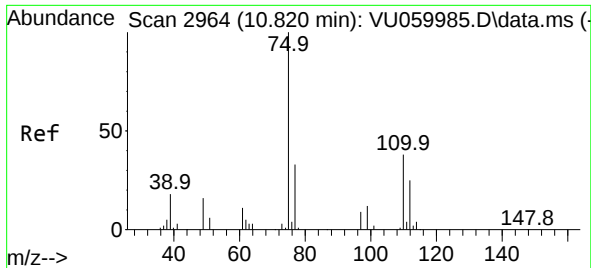
Ion Ratio Lower Upper

112 100

114 0.0 22.7 42.3#

77 63.5 45.8 68.6

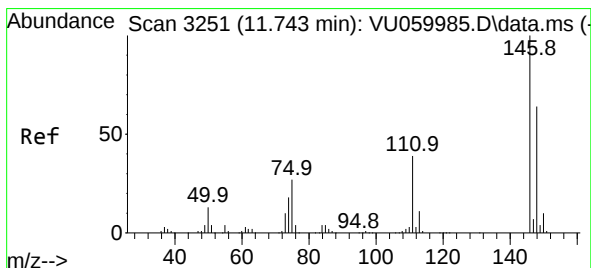
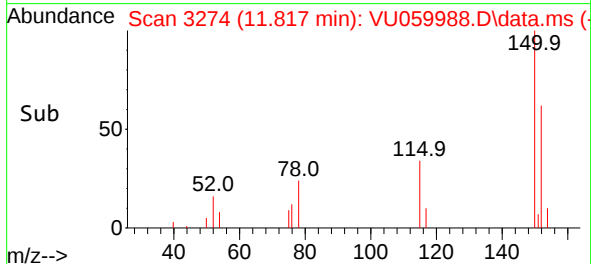
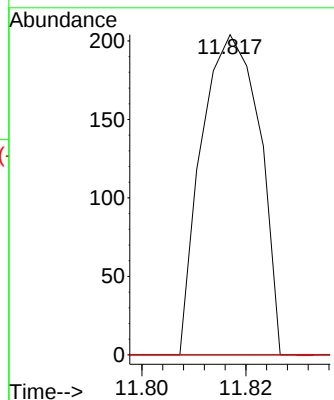
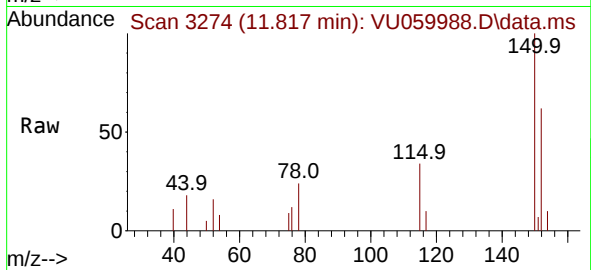




#60
1,2,3-Trichloropropane
Concen: 3.346 ug/L
RT: 11.817 min Scan# 31
Delta R.T. 0.997 min
Lab File: VU059988.D
Acq: 17 Jul 2024 12:36

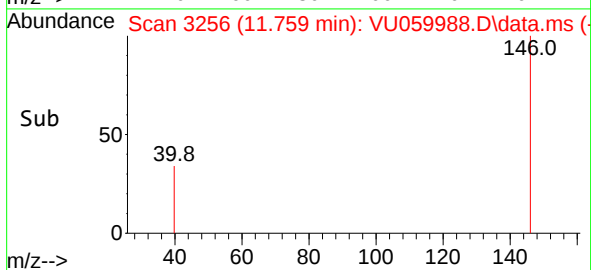
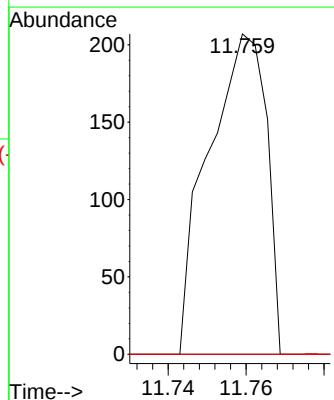
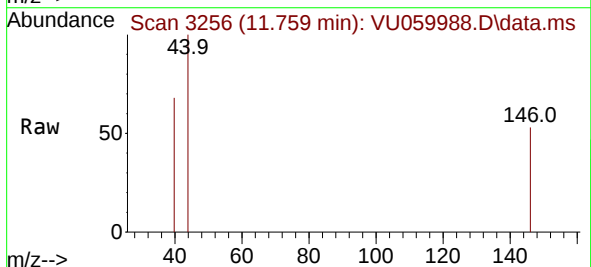
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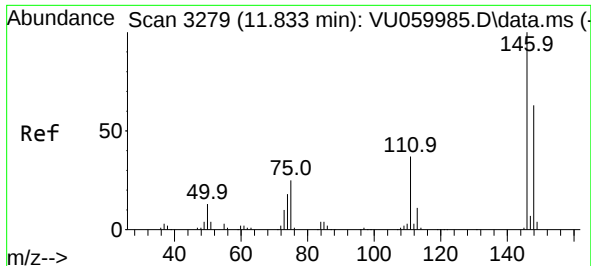
Tgt Ion: 75 Resp: 158
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
110 0.0 30.7 46.1#



#64
1,3-Dichlorobenzene
Concen: 2.845 ug/L
RT: 11.759 min Scan# 3256
Delta R.T. 0.016 min
Lab File: VU059988.D
Acq: 17 Jul 2024 12:36

Tgt Ion:146 Resp: 214
Ion Ratio Lower Upper
146 100
111 0.0 26.5 49.1#
148 0.0 43.8 81.3#

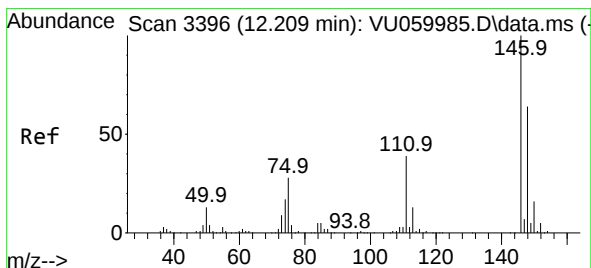
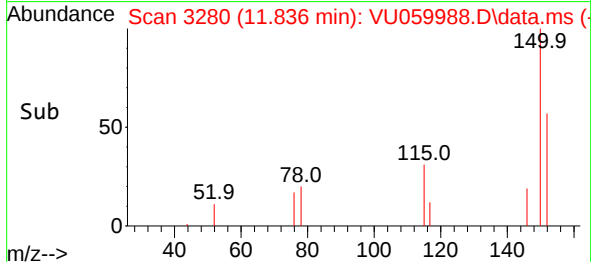
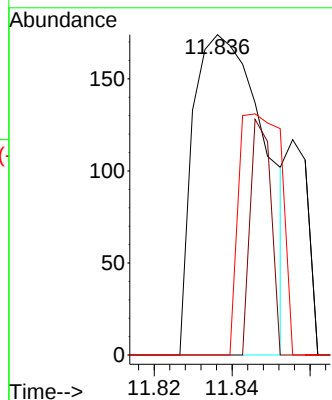
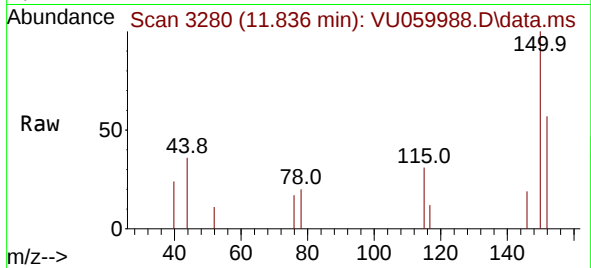




#65
 1,4-Dichlorobenzene
 Concen: 2.842 ug/L
 RT: 11.836 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU059988.D
 Acq: 17 Jul 2024 12:36

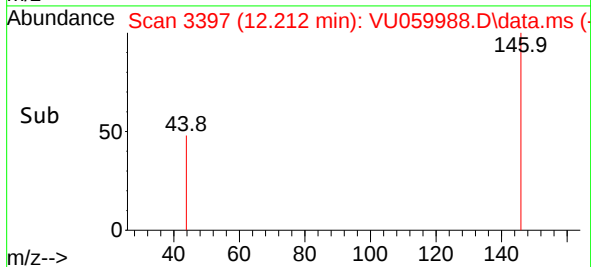
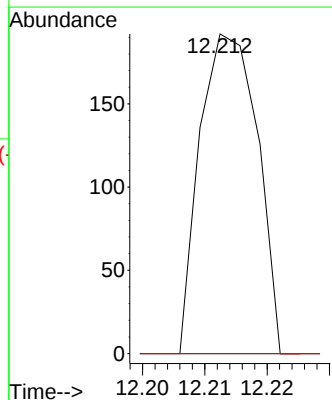
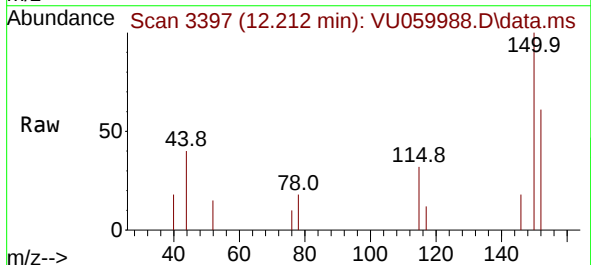
Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK001

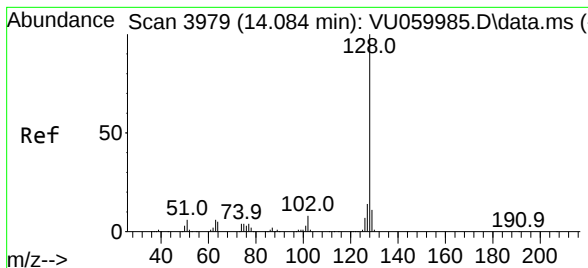
Tgt Ion:146 Resp: 221
 Ion Ratio Lower Upper
 146 100
 111 0.0 25.9 48.1#
 148 0.0 44.0 81.8#



#67
 1,2-Dichlorobenzene
 Concen: 1.619 ug/L
 RT: 12.212 min Scan# 3397
 Delta R.T. 0.003 min
 Lab File: VU059988.D
 Acq: 17 Jul 2024 12:36

Tgt Ion:146 Resp: 123
 Ion Ratio Lower Upper
 146 100
 111 0.0 31.7 47.5#
 148 0.0 50.8 76.2#





#71

Naphthalene

Concen: 6.202 ug/L

RT: 14.119 min Scan# 3979

Delta R.T. 0.035 min

Lab File: VU059988.D

Acq: 17 Jul 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

VHBLK001

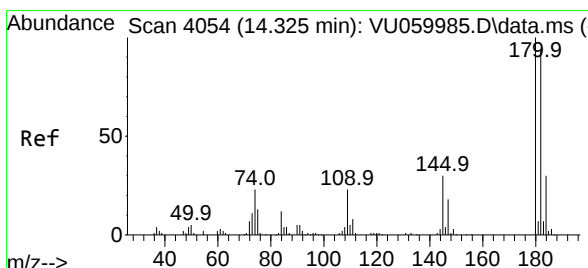
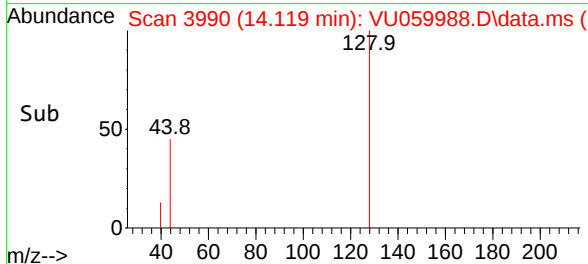
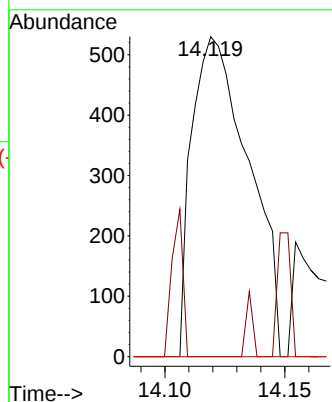
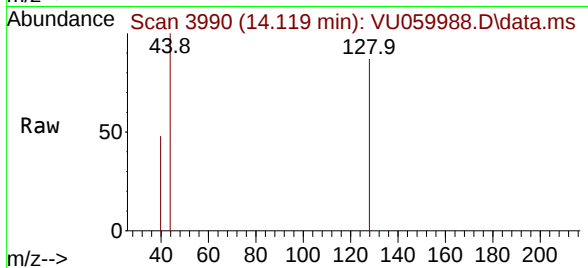
Tgt Ion:128 Resp: 876

Ion Ratio Lower Upper

128 100

127 9.0 10.4 15.6#

129 0.0 8.6 13.0#



#72

1,2,3-Trichlorobenzene

Concen: 2.019 ug/L

RT: 14.341 min Scan# 4059

Delta R.T. 0.016 min

Lab File: VU059988.D

Acq: 17 Jul 2024 12:36

Tgt Ion:180 Resp: 99

Ion Ratio Lower Upper

180 100

182 178.8 75.8 113.8#

145 0.0 24.5 36.7#

