

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056848.D
 Acq On : 14 Dec 2023 18:55
 Operator : MD/SY
 Sample : 05675-22
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AD3

Quant Time: Dec 15 00:55:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 00:49:12 2023
 Response via : Initial Calibration

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

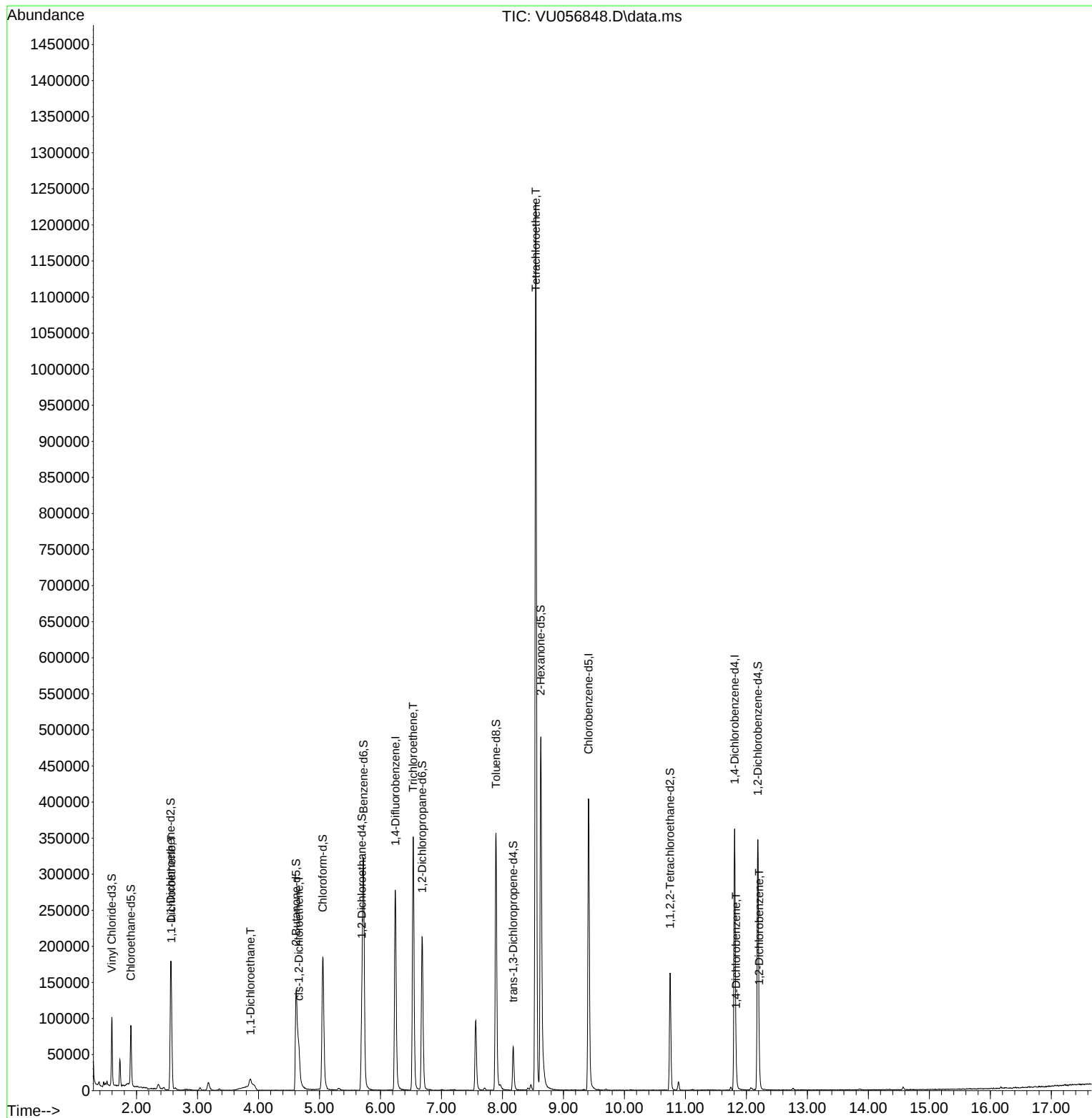
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	230459	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	236947	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	97845	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	66324	3.357	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.200%
7) Chloroethane-d5	1.907	69	62929	4.257	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.200%
11) 1,1-Dichloroethene-d2	2.560	65	29818	3.528	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.600%
20) 2-Butanone-d5	4.618	46	219663	56.307	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.620%
24) Chloroform-d	5.055	84	178563	4.773	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.695	65	87041	4.917	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.721	84	311083	4.233	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.682	67	104115	4.526	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.600%
41) Toluene-d8	7.894	98	246236	3.749	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.000%
43) trans-1,3-Dichloroprop...	8.177	79	36120	4.049	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.000%
46) 2-Hexanone-d5	8.627	63	167391	49.751	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.500%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	83242	5.001	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	92869	4.828	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.573	96	14963	0.800	ug/L	# 1
19) 1,1-Dichloroethane	3.869	63	12498	0.342	ug/L	90
22) cis-1,2-Dichloroethene	4.663	96	19985	0.968	ug/L	93
34) Trichloroethene	6.537	95	126133	5.522	ug/L	99
47) Tetrachloroethene	8.547	164	266954	16.699	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	5881	0.163	ug/L	94
67) 1,2-Dichlorobenzene	12.209	146	8685	0.261	ug/L	100

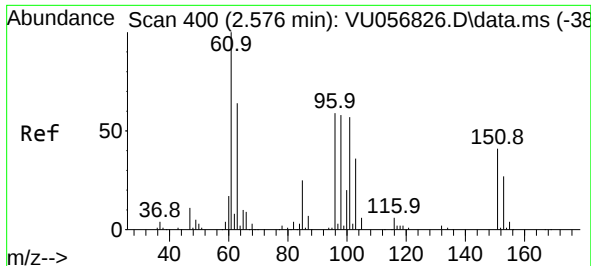
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.800 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU056848.D

Acq: 14 Dec 2023 18:55

Instrument :

MSVOA_U

ClientSampleId :

H0AD3

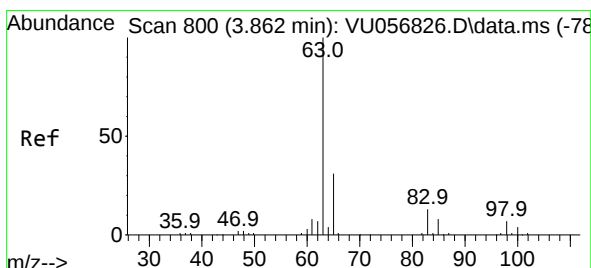
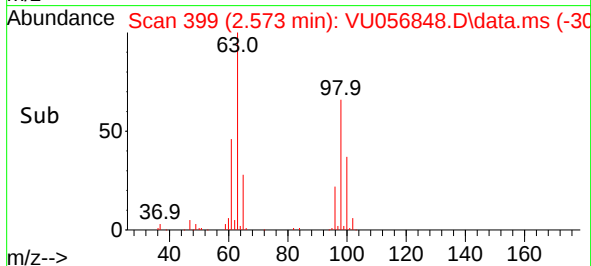
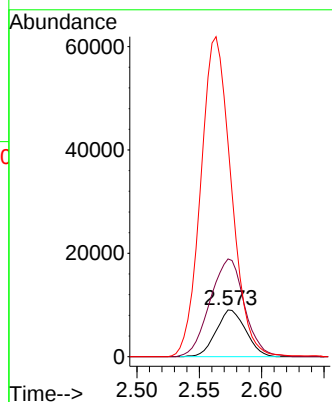
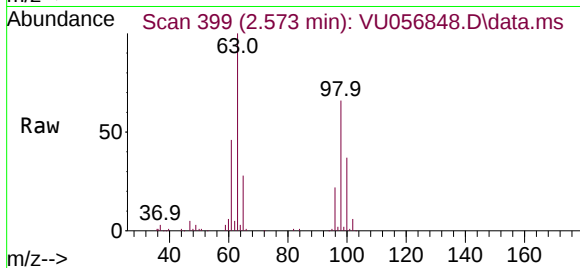
Tgt Ion: 96 Resp: 14963

Ion Ratio Lower Upper

96 100

61 209.3 119.0 221.0

63 457.2 88.7 164.7#



#19

1,1-Dichloroethane

Concen: 0.342 ug/L

RT: 3.869 min Scan# 802

Delta R.T. 0.006 min

Lab File: VU056848.D

Acq: 14 Dec 2023 18:55

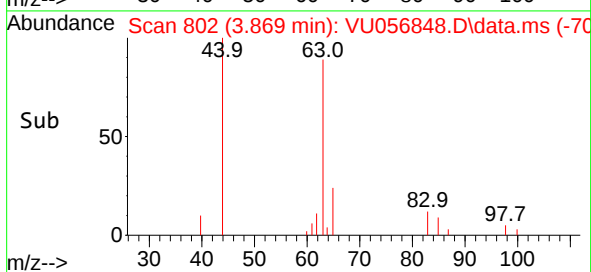
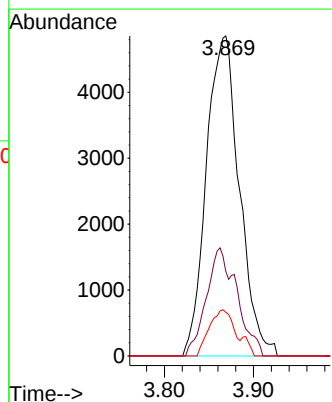
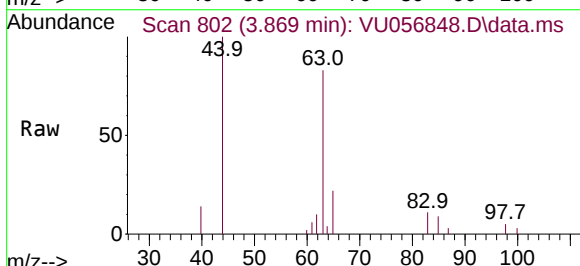
Tgt Ion: 63 Resp: 12498

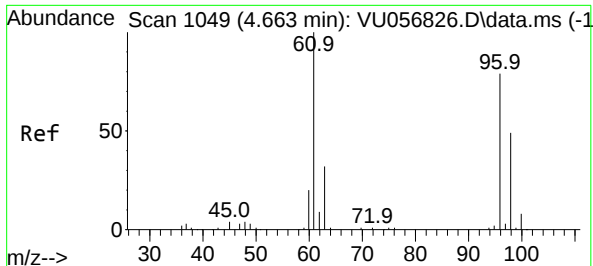
Ion Ratio Lower Upper

63 100

65 25.3 22.9 42.5

83 13.1 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 0.968 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU056848.D

Acq: 14 Dec 2023 18:55

Instrument :

MSVOA_U

ClientSampleId :

H0AD3

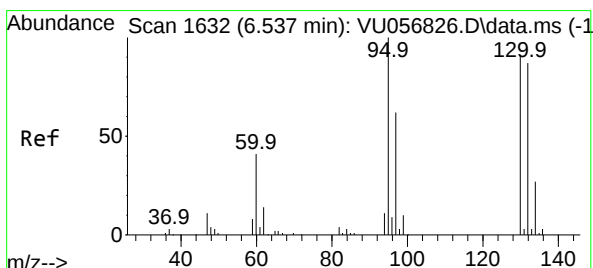
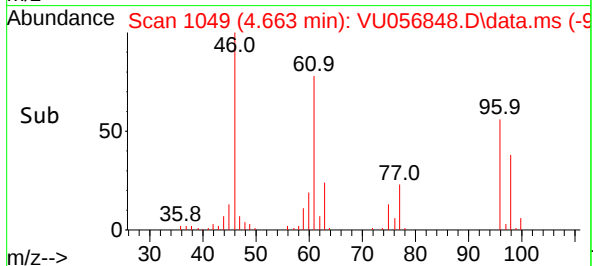
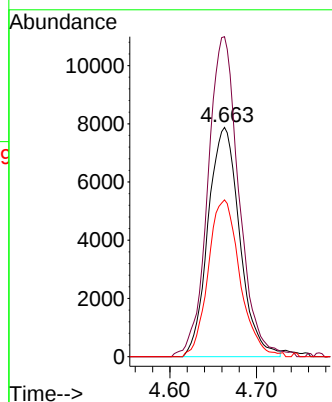
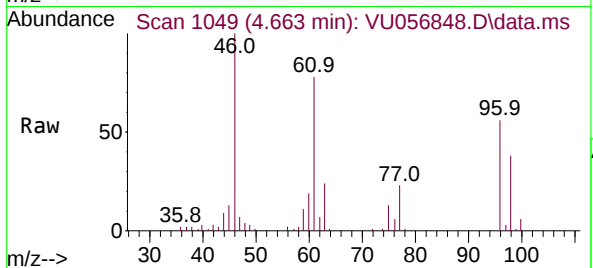
Tgt Ion: 96 Resp: 19985

Ion Ratio Lower Upper

96 100

61 139.5 91.3 169.6

98 68.4 44.2 82.0



#34

Trichloroethene

Concen: 5.522 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VU056848.D

Acq: 14 Dec 2023 18:55

Tgt Ion: 95 Resp: 126133

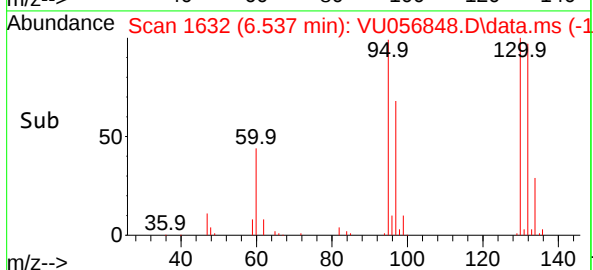
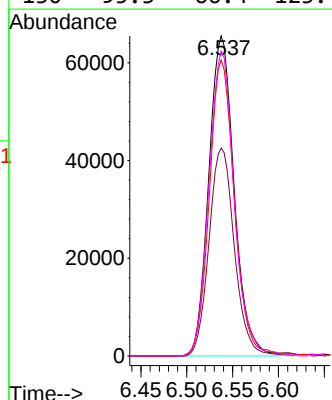
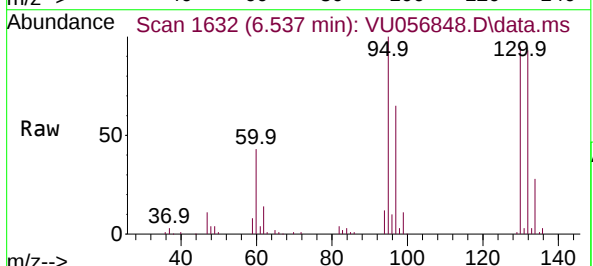
Ion Ratio Lower Upper

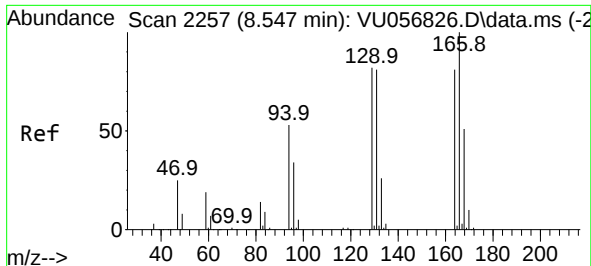
95 100

97 64.9 46.1 85.5

132 92.5 63.6 118.0

130 95.3 66.4 123.4

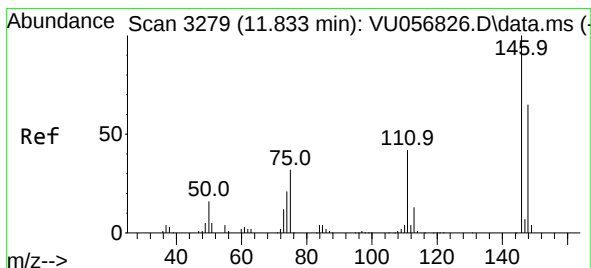
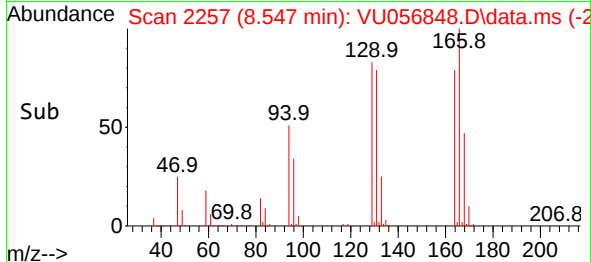
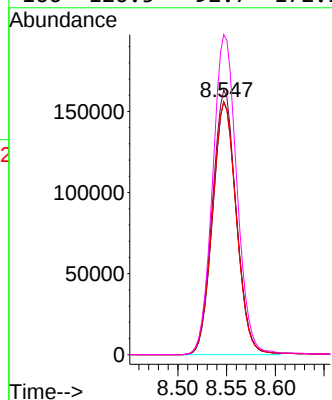
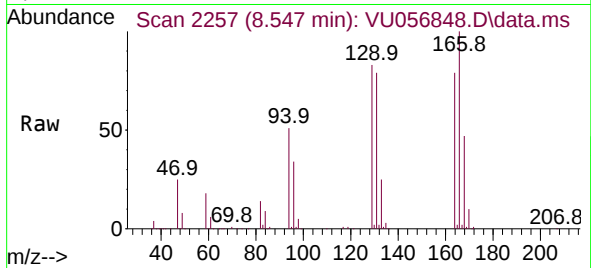




#47
Tetrachloroethene
Concen: 16.699 ug/L
RT: 8.547 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056848.D
Acq: 14 Dec 2023 18:55

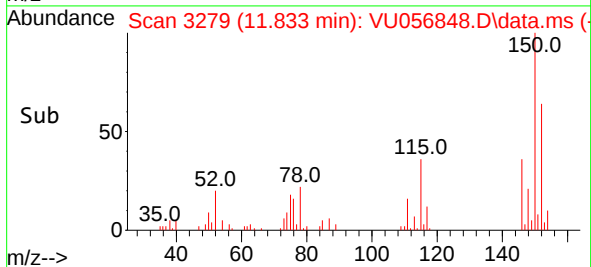
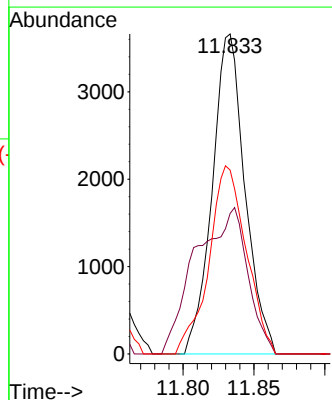
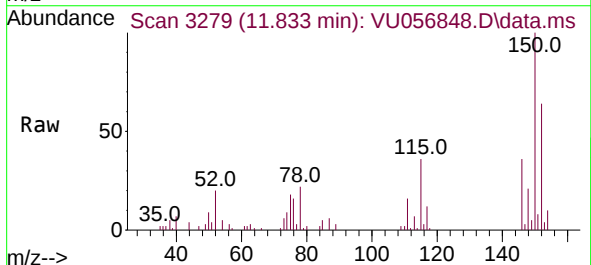
Instrument :
MSVOA_U
ClientSampleId :
H0AD3

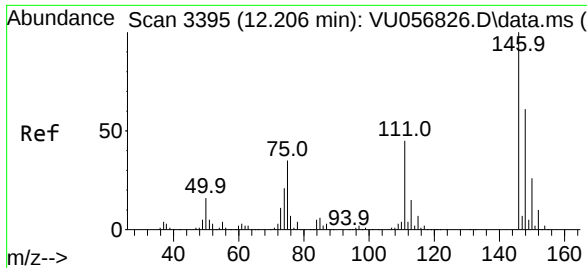
Tgt Ion:164 Resp: 266954
Ion Ratio Lower Upper
164 100
129 104.6 73.4 136.4
131 99.8 71.5 132.9
166 126.5 92.7 172.1



#65
1,4-Dichlorobenzene
Concen: 0.163 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU056848.D
Acq: 14 Dec 2023 18:55

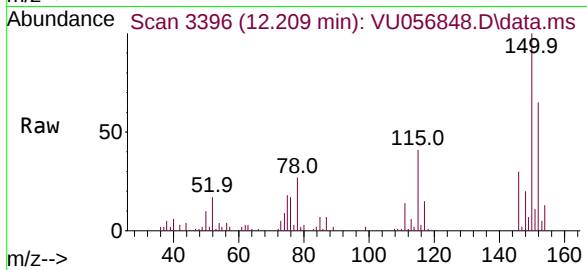
Tgt Ion:146 Resp: 5881
Ion Ratio Lower Upper
146 100
111 43.9 31.2 58.0
148 57.5 45.6 84.8





#67
 1,2-Dichlorobenzene
 Concen: 0.261 ug/L
 RT: 12.209 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU056848.D
 Acq: 14 Dec 2023 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AD3



Tgt Ion:	146	Resp:	8685
Ion	Ratio	Lower	Upper
146	100		
111	45.9	36.9	55.3
148	65.9	53.0	79.4

