

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071224\
 Data File : VU059926.D
 Acq On : 12 Jul 2024 16:58
 Operator : MD/SY
 Sample : P3217-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 13 03:58:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 13 03:52:33 2024
 Response via : Initial Calibration

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

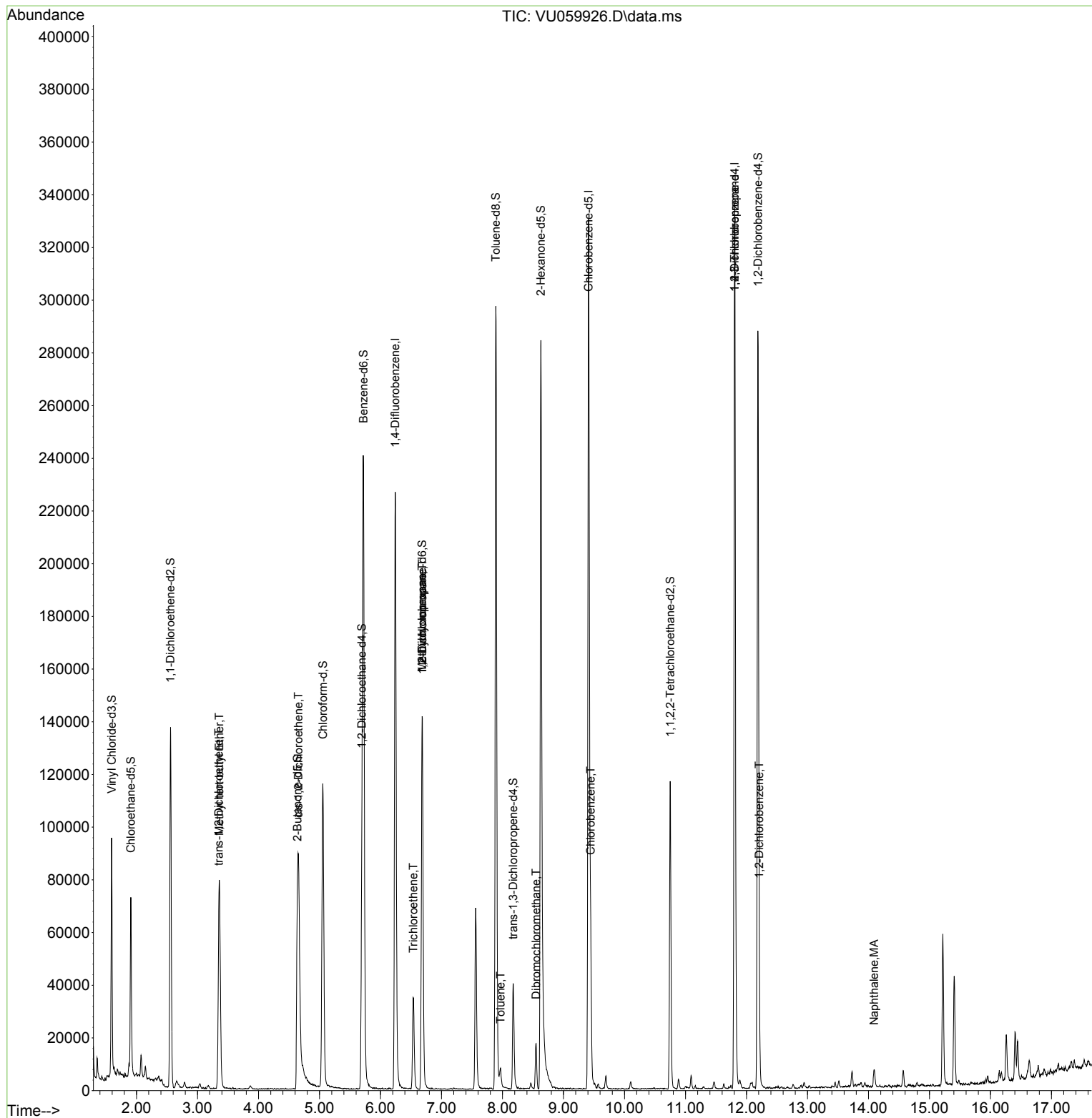
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	198841	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	197577	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	97699	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	61548	4.452	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.907	69	51991	3.908	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.200%
11) 1,1-Dichloroethene-d2	2.557	65	25126	4.380	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.600%
20) 2-Butanone-d5	4.637	46	117597	41.290	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.580%
24) Chloroform-d	5.055	84	110832	3.905	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.200%
26) 1,2-Dichloroethane-d4	5.695	65	56239	4.114	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
32) Benzene-d6	5.721	84	232934	4.284	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
36) 1,2-Dichloropropane-d6	6.682	67	71621	4.298	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.000%
41) Toluene-d8	7.891	98	209593	4.146	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.000%
43) trans-1,3-Dichloroprop...	8.177	79	24687	4.732	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.600%
46) 2-Hexanone-d5	8.631	63	112884	52.071	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.140%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	59816	4.345	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	84362	4.852	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
17) Methyl tert-butyl Ether	3.358	73	88420	2.910	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	2786	0.190	ug/L	78
22) cis-1,2-Dichloroethene	4.657	96	27101	1.676	ug/L	94
34) Trichloroethene	6.537	95	12313	0.758	ug/L	91
35) Methylcyclohexane	6.682	83	16263	0.703	ug/L #	19
37) 1,2-Dichloropropane	6.685	63	7111	0.458	ug/L #	90
42) Toluene	7.968	91	6009	0.095	ug/L	85
49) Dibromochloromethane	8.550	129	3859	0.304	ug/L #	12
51) Chlorobenzene	9.444	112	37316	0.926	ug/L	96
61) 1,2,3-Trichloropropane	11.807	75	11128	1.233	ug/L #	68
67) 1,2-Dichlorobenzene	12.209	146	7746	0.268	ug/L	90
71) Naphthalene	14.090	128	7640	0.306	ug/L #	93

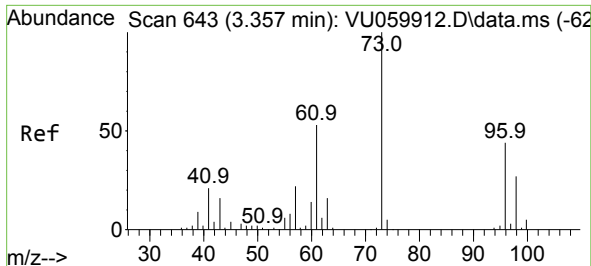
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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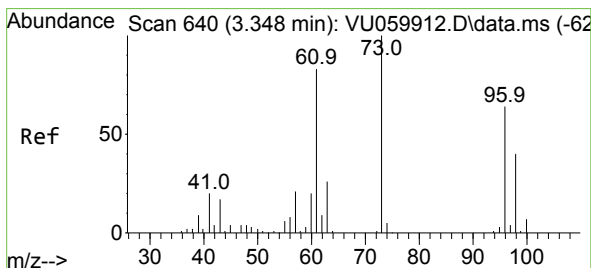
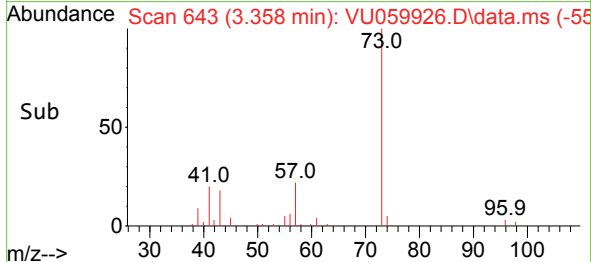
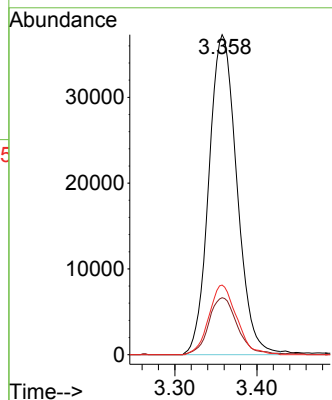
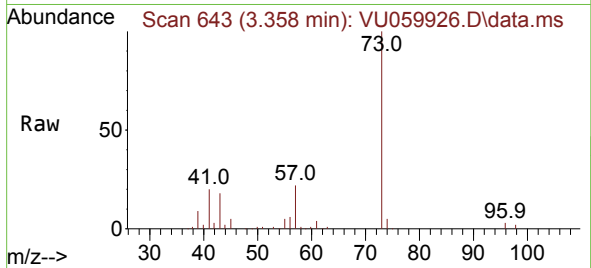




#17
Methyl tert-butyl Ether
Concen: 2.910 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.000 min
Lab File: VU059926.D
Acq: 12 Jul 2024 16:58

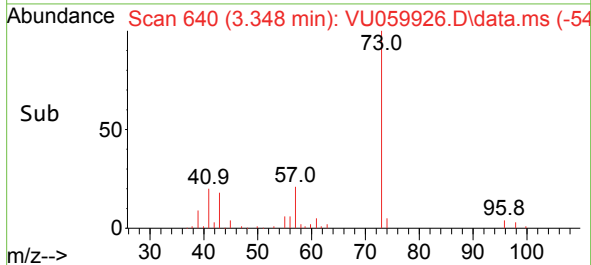
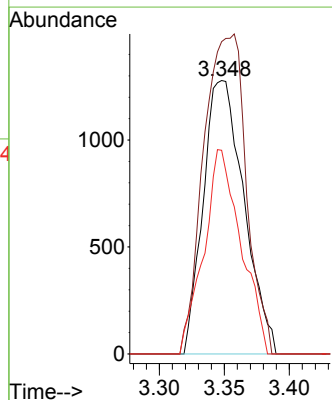
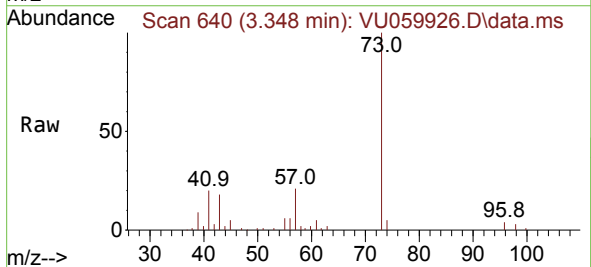
Instrument :
MSVOA_U
ClientSampleId :

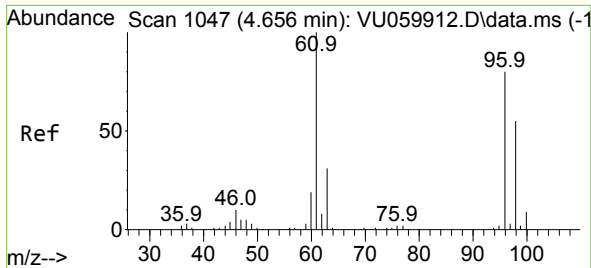
Tgt Ion: 73 Resp: 88420
Ion Ratio Lower Upper
73 100
43 18.3 14.9 22.3
57 21.6 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 0.190 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU059926.D
Acq: 12 Jul 2024 16:58

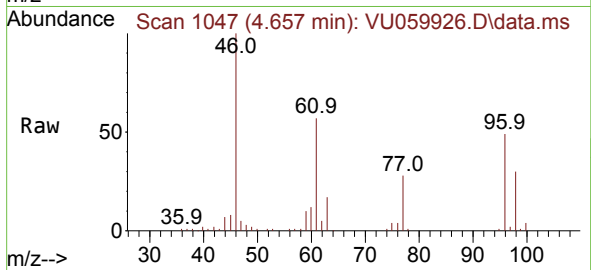
Tgt Ion: 96 Resp: 2786
Ion Ratio Lower Upper
96 100
61 114.2 101.8 189.0
98 74.5 43.3 80.5





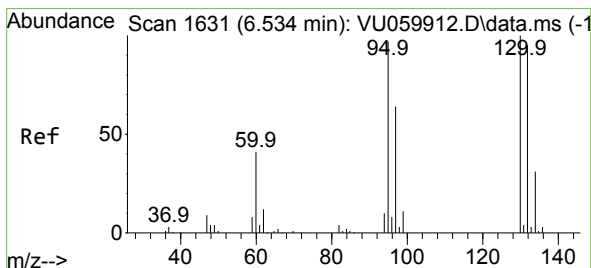
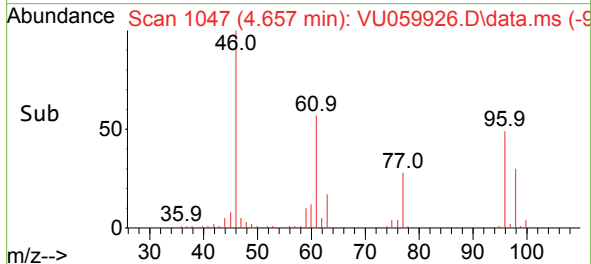
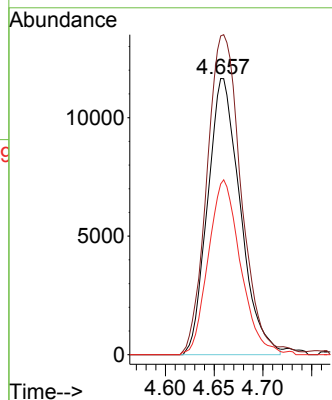
#22
 cis-1,2-Dichloroethene
 Concen: 1.676 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU059926.D
 Acq: 12 Jul 2024 16:58

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 27101

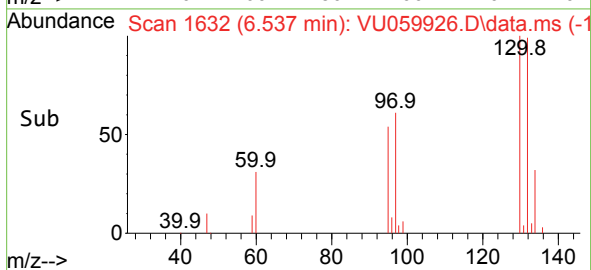
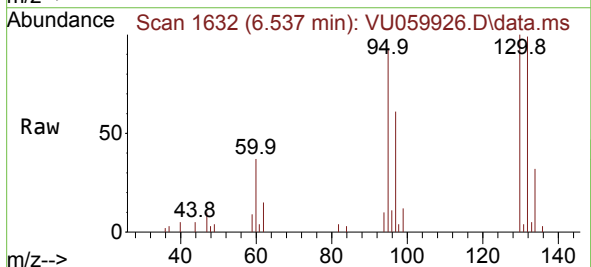
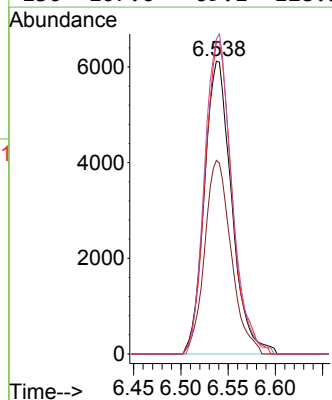
Ion	Ratio	Lower	Upper
96	100		
61	115.4	87.4	162.2
98	61.8	42.3	78.5

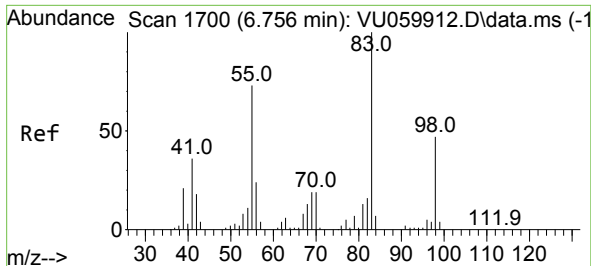


#34
 Trichloroethene
 Concen: 0.758 ug/L
 RT: 6.537 min Scan# 1632
 Delta R.T. 0.003 min
 Lab File: VU059926.D
 Acq: 12 Jul 2024 16:58

Tgt Ion: 95 Resp: 12313

Ion	Ratio	Lower	Upper
95	100		
97	66.1	45.3	84.1
132	106.2	64.0	119.0
130	107.6	69.1	128.3

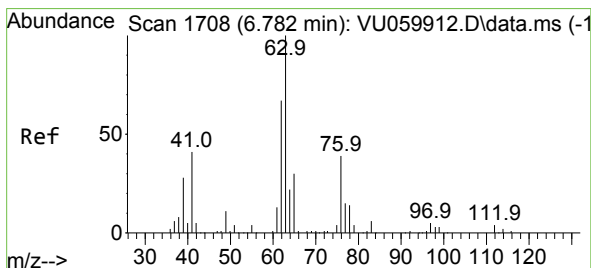
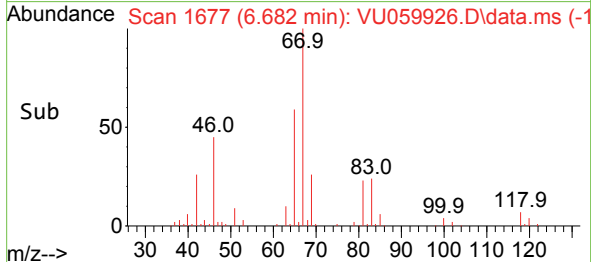
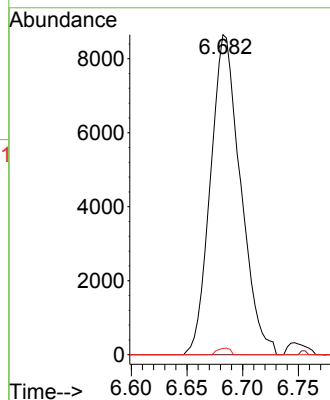
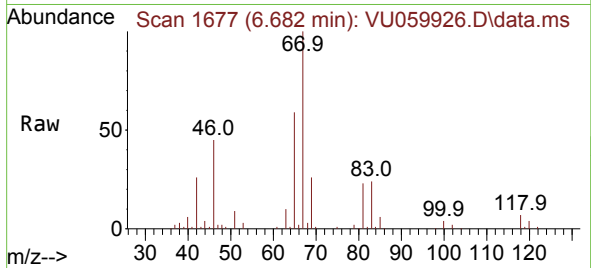




#35
Methylcyclohexane
Concen: 0.703 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU059926.D
Acq: 12 Jul 2024 16:58

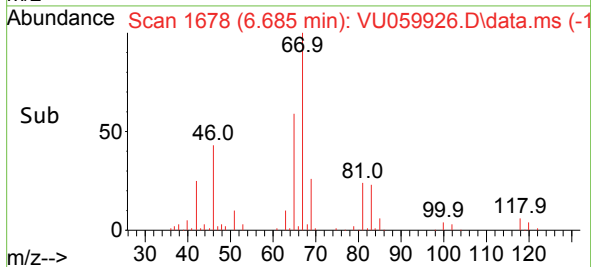
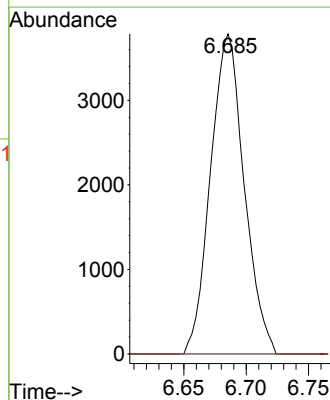
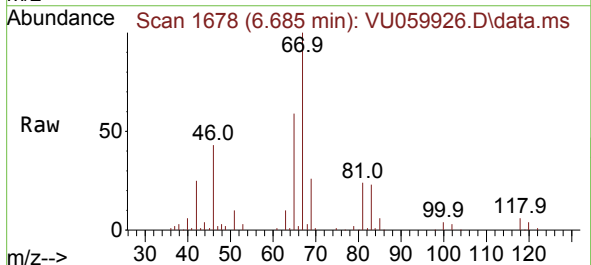
Instrument :
MSVOA_U
ClientSampleId :

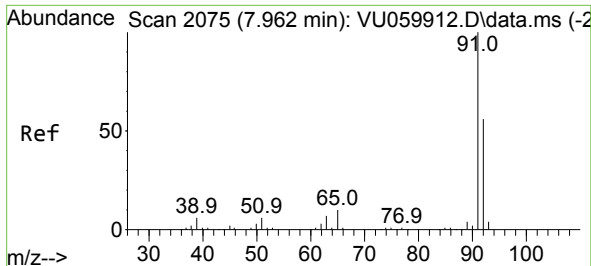
Tgt Ion: 83 Resp: 16263
Ion Ratio Lower Upper
83 100
55 0.2 62.7 94.1#
98 0.9 35.4 53.0#



#37
1,2-Dichloropropane
Concen: 0.458 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.096 min
Lab File: VU059926.D
Acq: 12 Jul 2024 16:58

Tgt Ion: 63 Resp: 7111
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#





#42

Toluene

Concen: 0.095 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.007 min

Lab File: VU059926.D

Acq: 12 Jul 2024 16:58

Instrument :

MSVOA_U

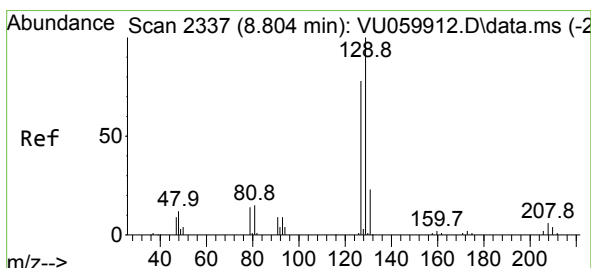
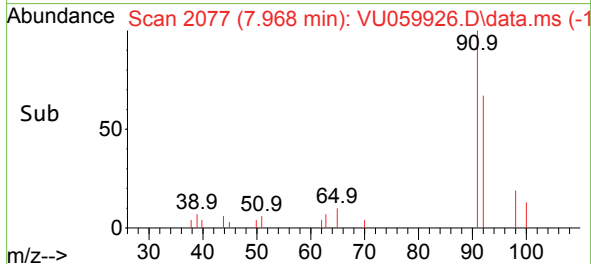
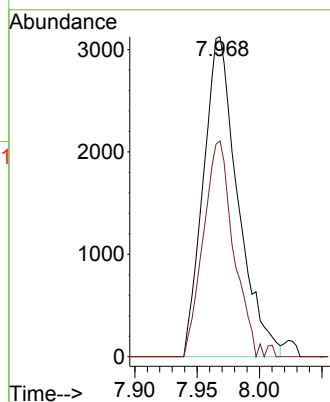
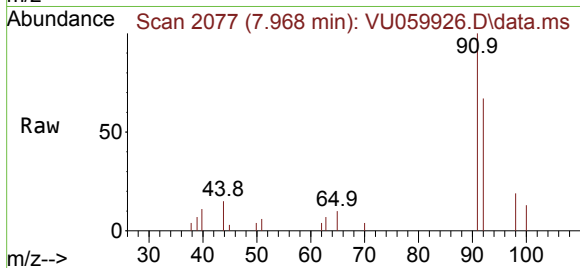
ClientSampleId :

Tgt Ion: 91 Resp: 6009

Ion Ratio Lower Upper

91 100

92 67.4 39.7 73.7



#49

Dibromochloromethane

Concen: 0.304 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.254 min

Lab File: VU059926.D

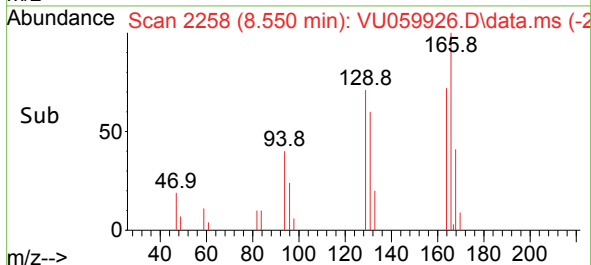
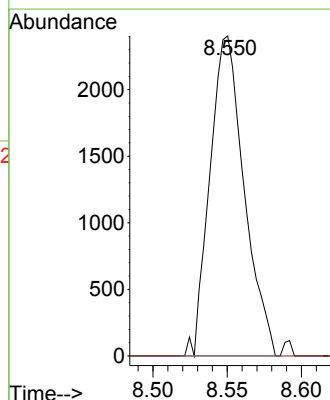
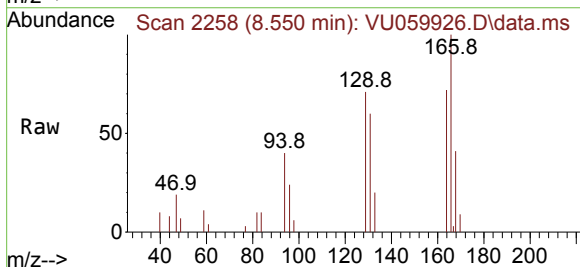
Acq: 12 Jul 2024 16:58

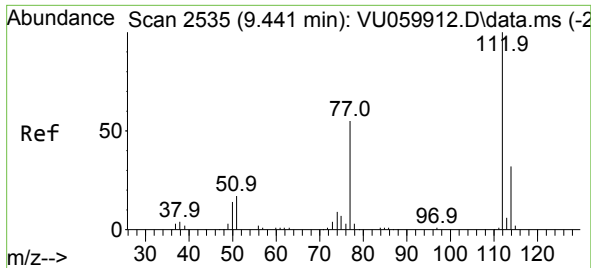
Tgt Ion: 129 Resp: 3859

Ion Ratio Lower Upper

129 100

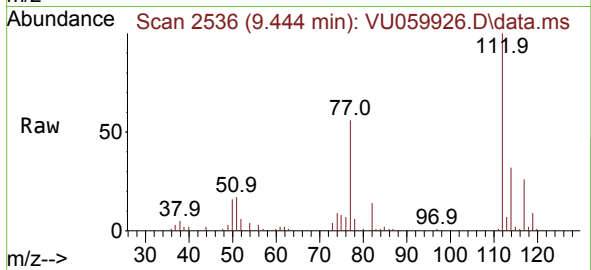
127 0.0 52.5 97.5#



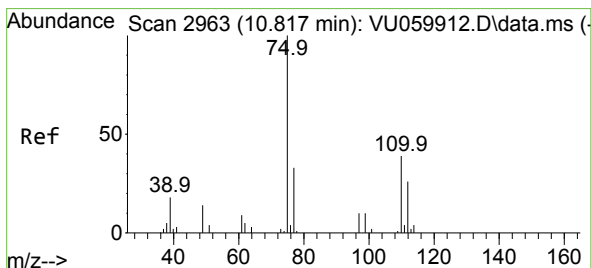
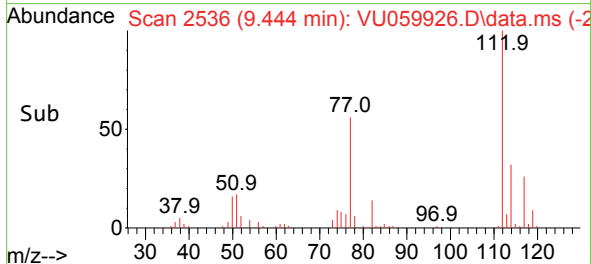
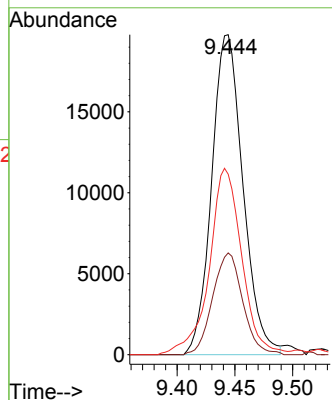


#51
Chlorobenzene
Concen: 0.926 ug/L
RT: 9.444 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU059926.D
Acq: 12 Jul 2024 16:58

Instrument :
MSVOA_U
ClientSampleId :

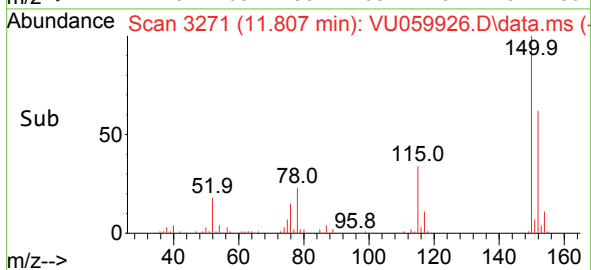
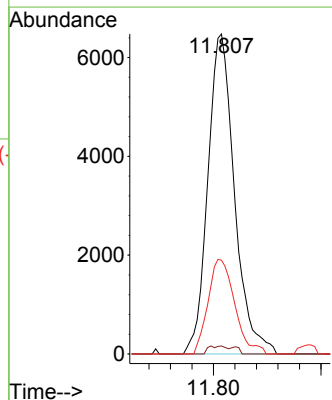
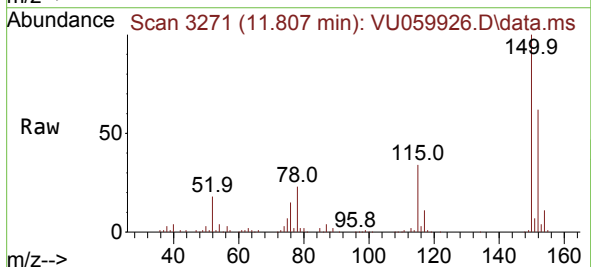


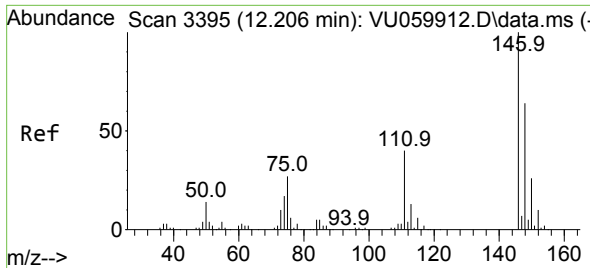
Tgt Ion:112 Resp: 37316
Ion Ratio Lower Upper
112 100
114 31.8 22.4 41.6
77 56.4 49.1 73.7



#61
1,2,3-Trichloropropane
Concen: 1.233 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU059926.D
Acq: 12 Jul 2024 16:58

Tgt Ion: 75 Resp: 11128
Ion Ratio Lower Upper
75 100
110 0.7 27.1 40.7#
77 29.6 25.4 38.2





#67

1,2-Dichlorobenzene

Concen: 0.268 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU059926.D

Acq: 12 Jul 2024 16:58

Instrument :

MSVOA_U

ClientSampleId :

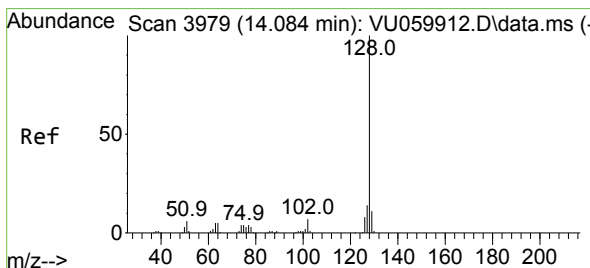
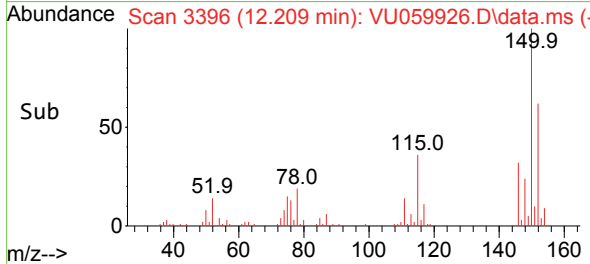
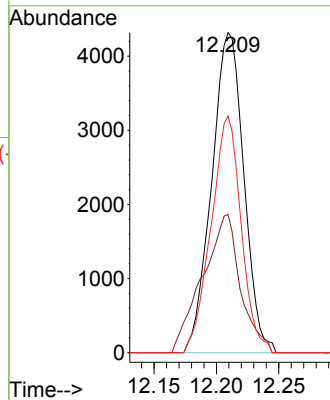
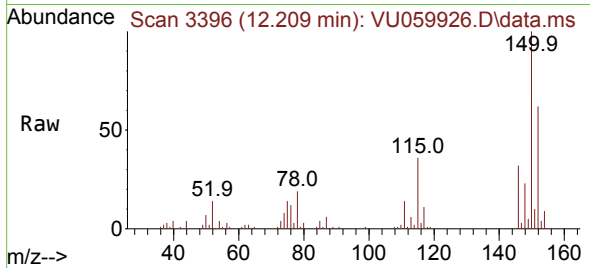
Tgt Ion:146 Resp: 7746

Ion Ratio Lower Upper

146 100

111 43.2 33.4 50.0

148 74.0 49.7 74.5



#71

Naphthalene

Concen: 0.306 ug/L

RT: 14.090 min Scan# 3981

Delta R.T. 0.007 min

Lab File: VU059926.D

Acq: 12 Jul 2024 16:58

Tgt Ion:128 Resp: 7640

Ion Ratio Lower Upper

128 100

129 4.5 8.2 12.4#

127 12.7 10.2 15.4

