

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071224\
 Data File : VU059931.D
 Acq On : 12 Jul 2024 18:57
 Operator : MD/SY
 Sample : P3217-17
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 13 04:00:29 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	196042	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	198158	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	97477	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	58682	4.305	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.000%
7) Chloroethane-d5	1.907	69	50530	3.852	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.000%
11) 1,1-Dichloroethene-d2	2.557	65	24269	4.291	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.800%
20) 2-Butanone-d5	4.634	46	149658	53.298	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.600%
24) Chloroform-d	5.052	84	108139	3.865	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.200%
26) 1,2-Dichloroethane-d4	5.698	65	56905	4.222	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
32) Benzene-d6	5.721	84	226814	4.159	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	6.682	67	71621	4.286	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.800%
41) Toluene-d8	7.891	98	206270	4.069	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.400%
43) trans-1,3-Dichloroprop...	8.174	79	25472	4.868	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.400%
46) 2-Hexanone-d5	8.631	63	127234	58.518	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.040%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	60965	4.415	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	82797	4.772	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	46948	2.377	ug/L	100
9) Trichlorofluoromethane	2.078	101	3177	0.134	ug/L	97
12) 1,1-Dichloroethene	2.573	96	18676	1.343	ug/L #	56
17) Methyl tert-butyl Ether	3.361	73	10256	0.342	ug/L	98
18) trans-1,2-Dichloroethene	3.345	96	197560	13.662	ug/L	90
19) 1,1-Dichloroethane	3.862	63	15866	0.595	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	3958408	248.358	ug/L	94
33) Benzene	5.769	78	68875	1.145	ug/L	100
34) Trichloroethene	6.534	95	1422574	87.293	ug/L	95
37) 1,2-Dichloropropane	6.682	63	7339	0.471	ug/L #	90
47) Tetrachloroethene	8.547	164	294649	23.300	ug/L	97
49) Dibromochloromethane	8.547	129	271014	21.320	ug/L #	12
51) Chlorobenzene	9.441	112	8202631	203.005	ug/L	96
64) 1,3-Dichlorobenzene	11.746	146	5017	0.164	ug/L	95
65) 1,4-Dichlorobenzene	11.830	146	46770	1.484	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	192705	6.686	ug/L	97
71) Naphthalene	14.093	128	3930	0.158	ug/L	96

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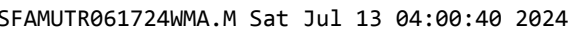
Instrument :
MSVOA_U
ClientSampleId :

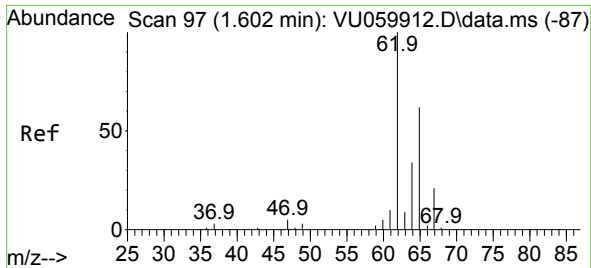
Quant Time: Jul 13 04:00:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jul 13 03:52:33 2024
Response via : Initial Calibration

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

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

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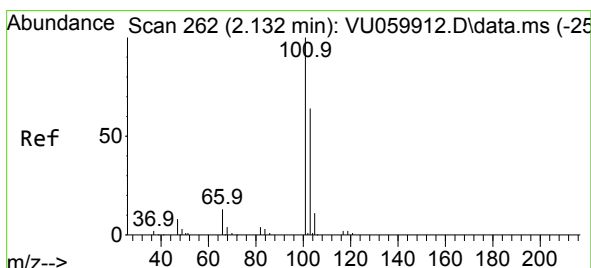
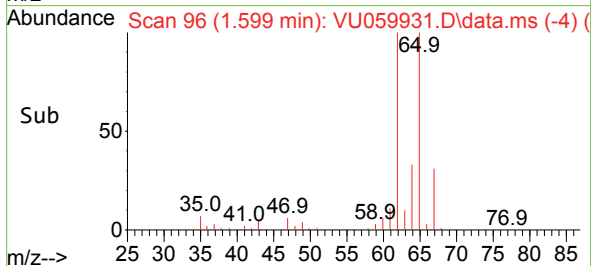
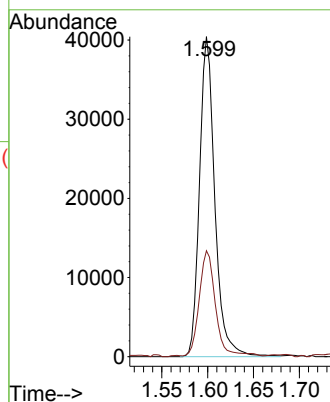
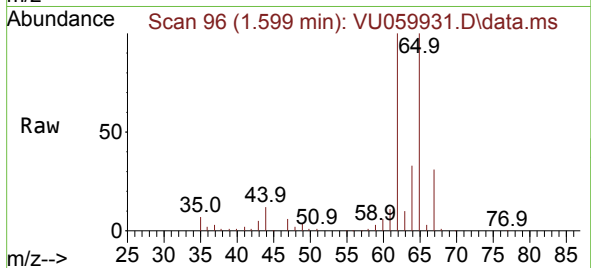




#5
 Vinyl chloride
 Concen: 2.377 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU059931.D
 Acq: 12 Jul 2024 18:57

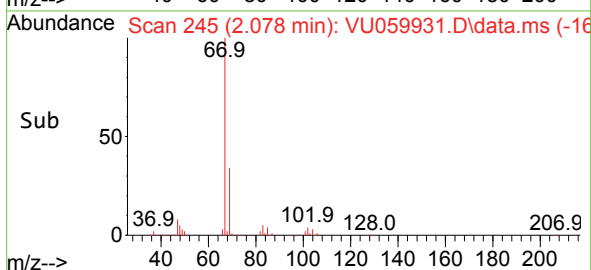
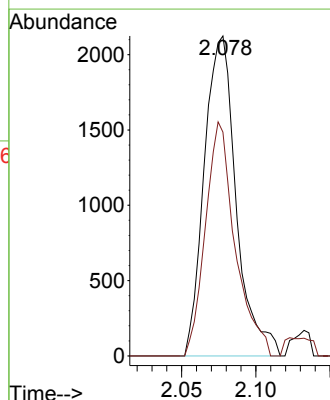
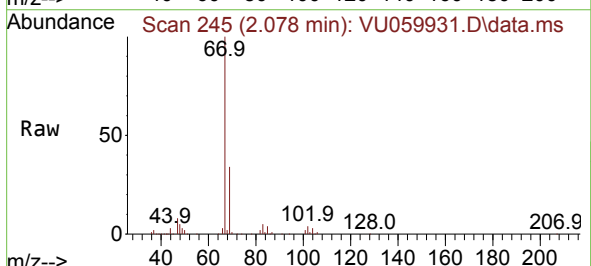
Instrument :
 MSVOA_U
 ClientSampleId :

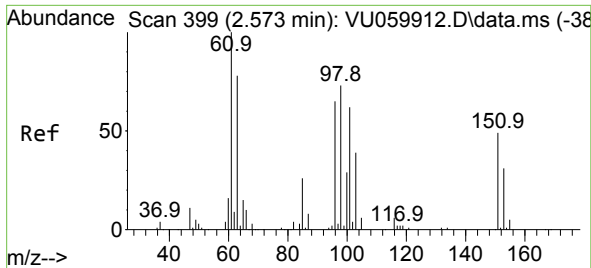
Tgt Ion: 62 Resp: 46948
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.1 42.9



#9
 Trichlorofluoromethane
 Concen: 0.134 ug/L
 RT: 2.078 min Scan# 245
 Delta R.T. -0.055 min
 Lab File: VU059931.D
 Acq: 12 Jul 2024 18:57

Tgt Ion: 101 Resp: 3177
 Ion Ratio Lower Upper
 101 100
 103 68.0 52.6 79.0





#12

1,1-Dichloroethene

Concen: 1.343 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

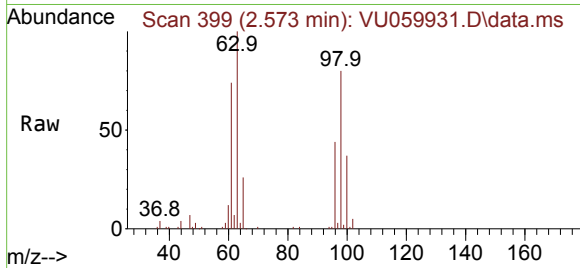
Lab File: VU059931.D

Acq: 12 Jul 2024 18:57

Instrument :

MSVOA_U

ClientSampleId :



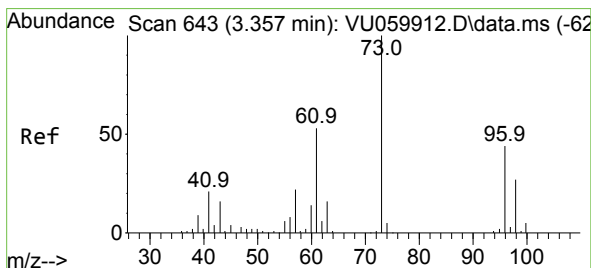
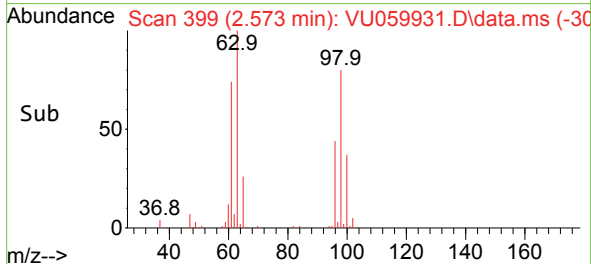
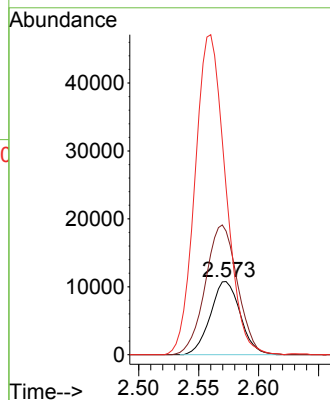
Tgt Ion: 96 Resp: 18676

Ion Ratio Lower Upper

96 100

61 169.0 122.9 228.3

63 228.1 80.4 149.4#



#17

Methyl tert-butyl Ether

Concen: 0.342 ug/L

RT: 3.361 min Scan# 644

Delta R.T. 0.003 min

Lab File: VU059931.D

Acq: 12 Jul 2024 18:57

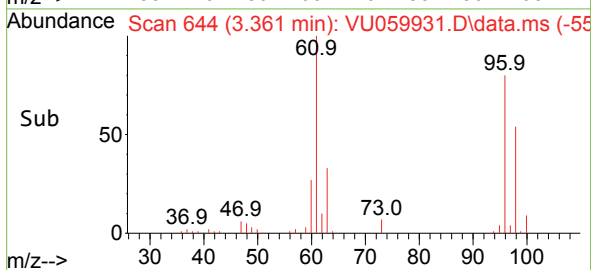
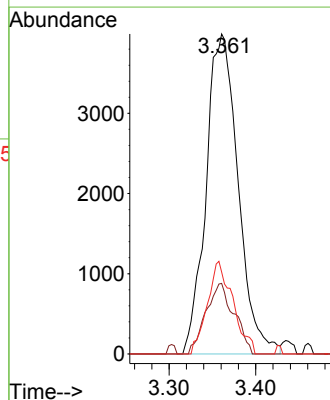
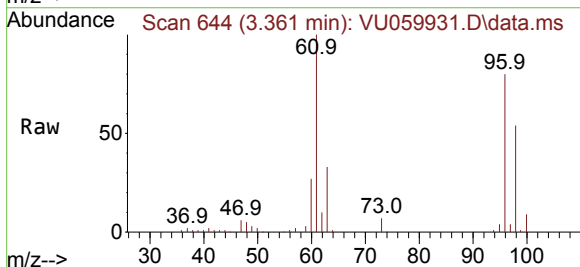
Tgt Ion: 73 Resp: 10256

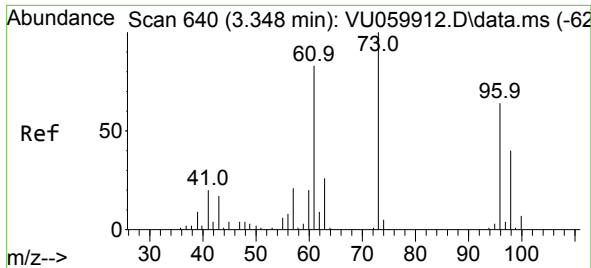
Ion Ratio Lower Upper

73 100

43 19.4 14.9 22.3

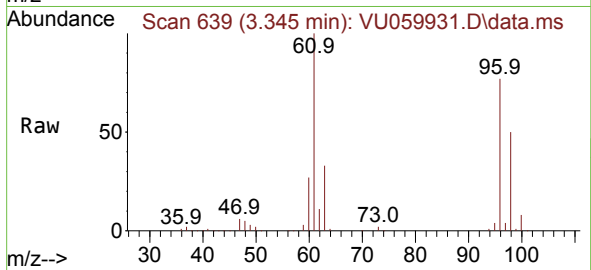
57 23.2 18.0 27.0





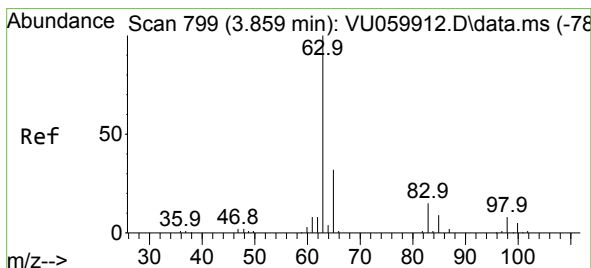
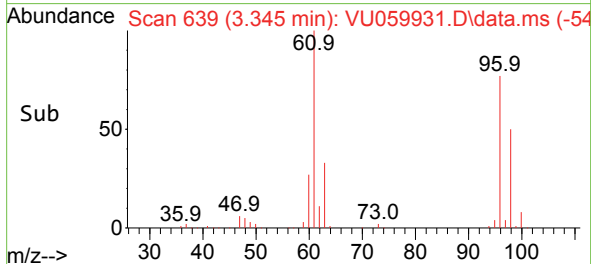
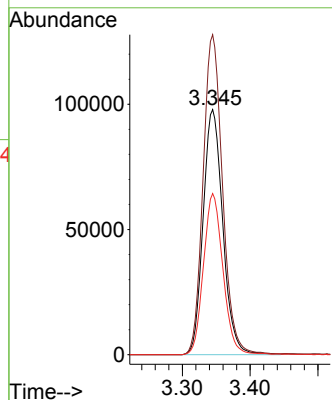
#18
 trans-1,2-Dichloroethene
 Concen: 13.662 ug/L
 RT: 3.345 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VU059931.D
 Acq: 12 Jul 2024 18:57

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 197560

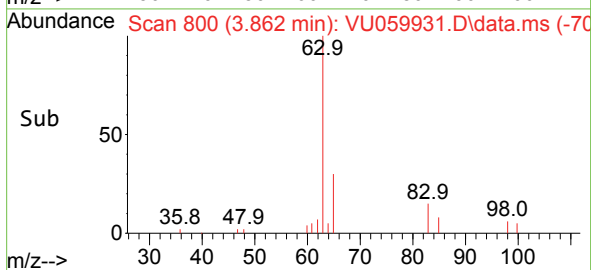
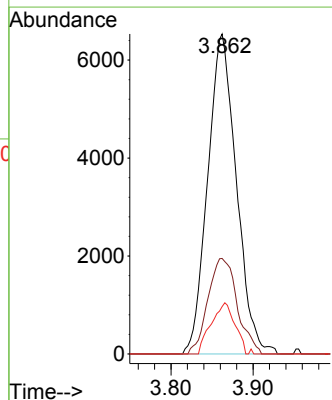
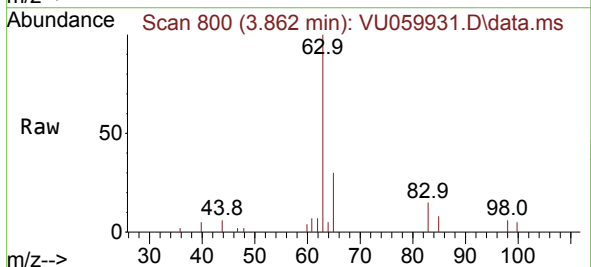
Ion	Ratio	Lower	Upper
96	100		
61	130.5	101.8	189.0
98	65.7	43.3	80.5

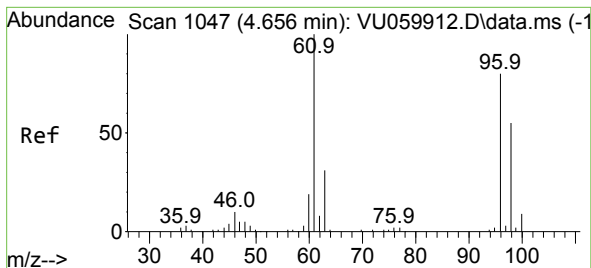


#19
 1,1-Dichloroethane
 Concen: 0.595 ug/L
 RT: 3.862 min Scan# 800
 Delta R.T. 0.003 min
 Lab File: VU059931.D
 Acq: 12 Jul 2024 18:57

Tgt Ion: 63 Resp: 15866

Ion	Ratio	Lower	Upper
63	100		
65	29.9	21.8	40.6
83	14.8	9.9	18.5





#22

cis-1,2-Dichloroethene

Concen: 248.358 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU059931.D

Acq: 12 Jul 2024 18:57

Instrument :

MSVOA_U

ClientSampleId :

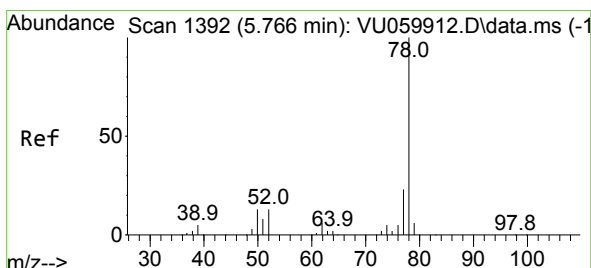
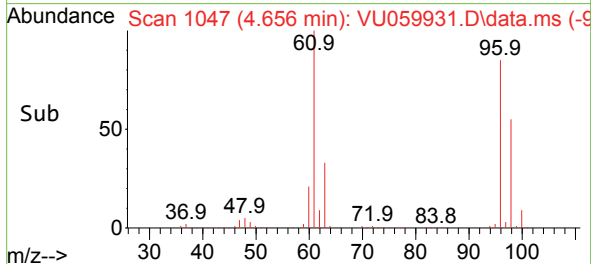
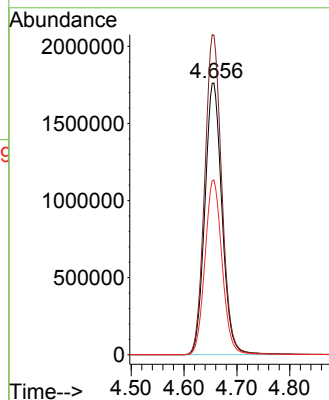
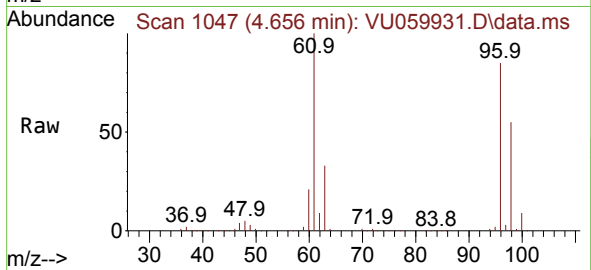
Tgt Ion: 96 Resp: 3958408

Ion Ratio Lower Upper

96 100

61 117.5 87.4 162.2

98 64.3 42.3 78.5



#33

Benzene

Concen: 1.145 ug/L

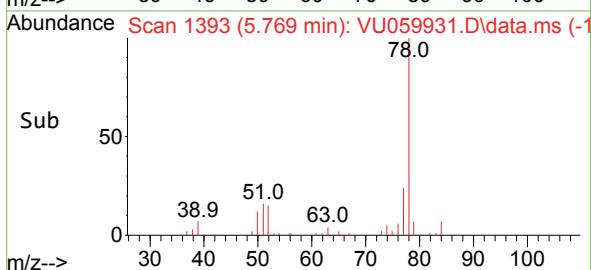
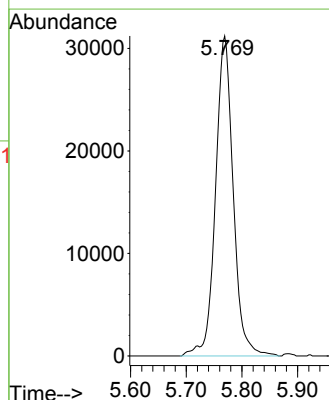
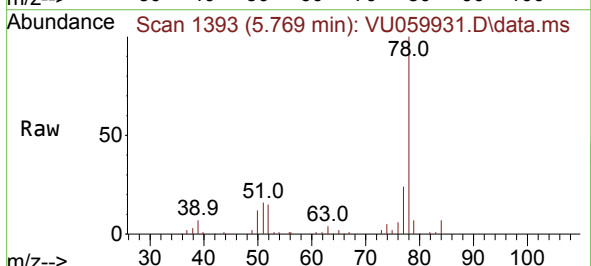
RT: 5.769 min Scan# 1393

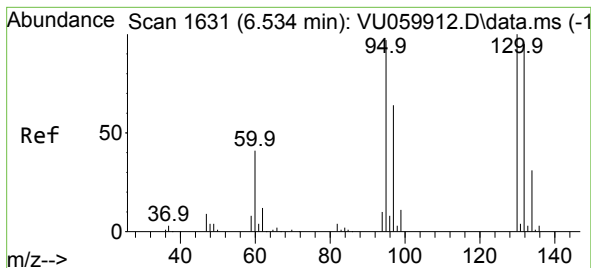
Delta R.T. 0.003 min

Lab File: VU059931.D

Acq: 12 Jul 2024 18:57

Tgt Ion: 78 Resp: 68875





#34

Trichloroethene

Concen: 87.293 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU059931.D

Acq: 12 Jul 2024 18:57

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 1422574

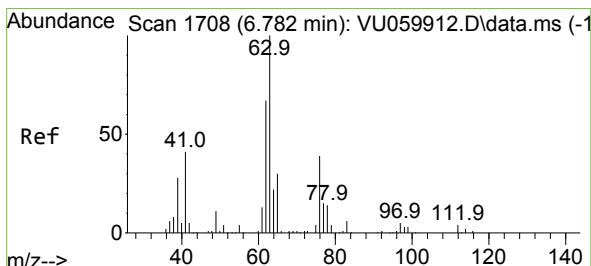
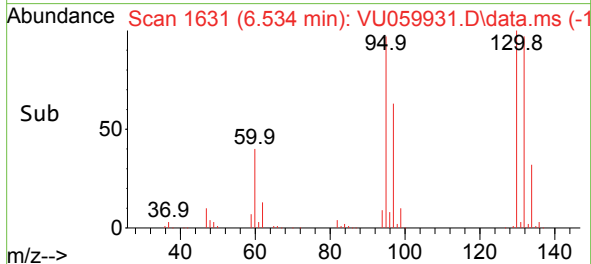
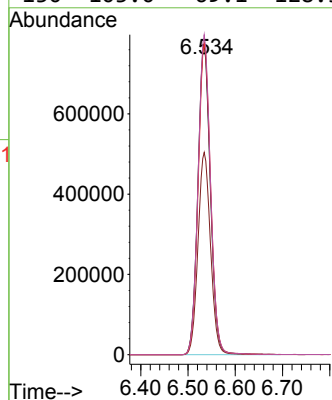
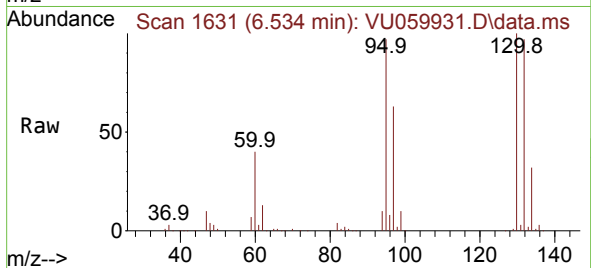
Ion Ratio Lower Upper

95 100

97 65.1 45.3 84.1

132 100.2 64.0 119.0

130 103.0 69.1 128.3



#37

1,2-Dichloropropane

Concen: 0.471 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.100 min

Lab File: VU059931.D

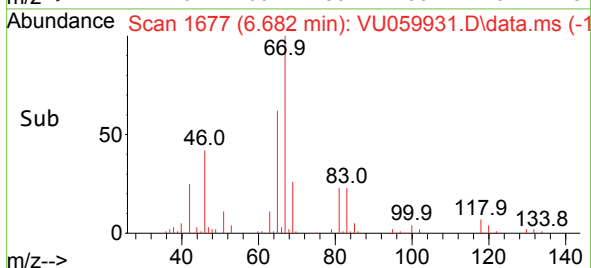
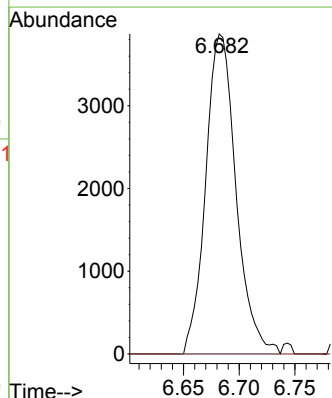
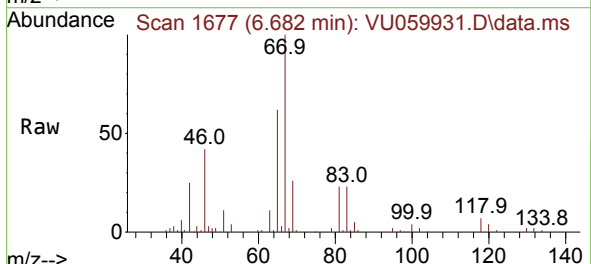
Acq: 12 Jul 2024 18:57

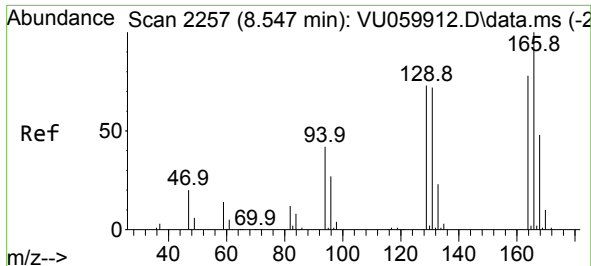
Tgt Ion: 63 Resp: 7339

Ion Ratio Lower Upper

63 100

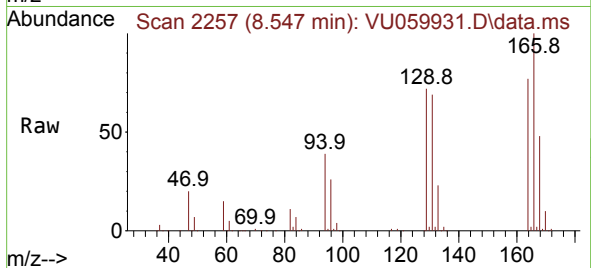
112 0.0 2.6 3.8#



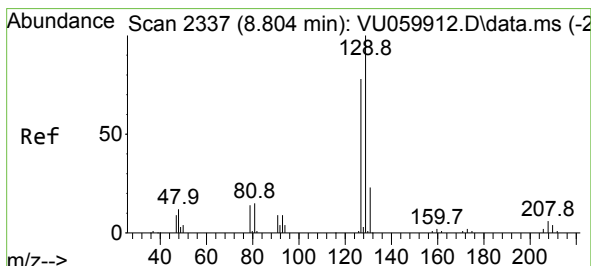
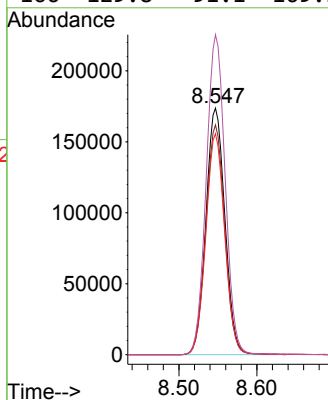
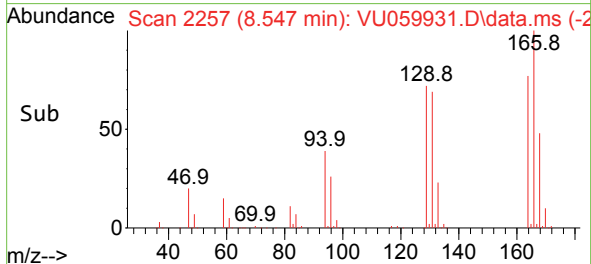


#47
Tetrachloroethene
Concen: 23.300 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU059931.D
Acq: 12 Jul 2024 18:57

Instrument :
MSVOA_U
ClientSampleId :

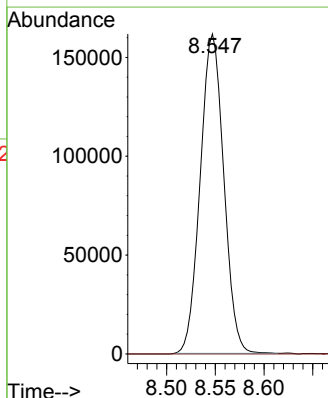
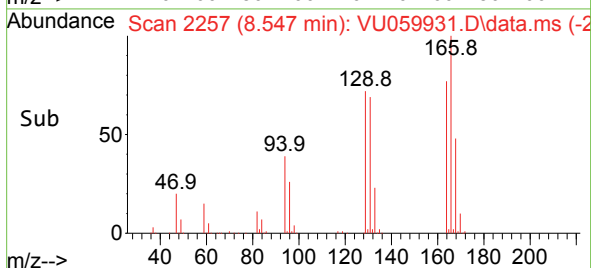
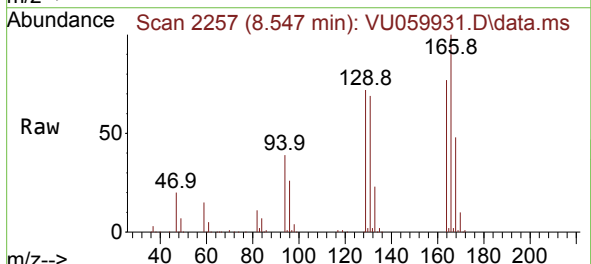


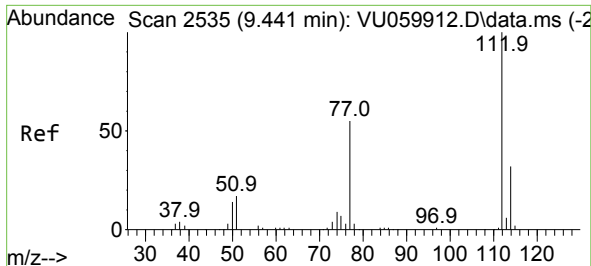
Tgt Ion:164 Resp: 294649
Ion Ratio Lower Upper
164 100
129 93.2 70.8 131.4
131 89.6 64.8 120.3
166 129.8 91.1 169.1



#49
Dibromochloromethane
Concen: 21.320 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.257 min
Lab File: VU059931.D
Acq: 12 Jul 2024 18:57

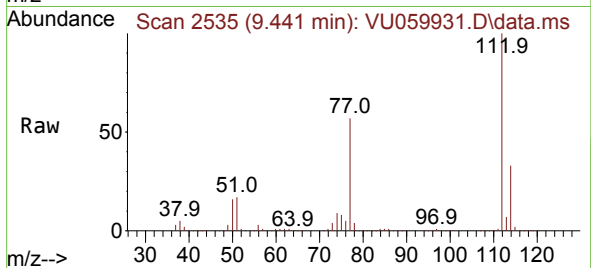
Tgt Ion:129 Resp: 271014
Ion Ratio Lower Upper
129 100
127 0.0 52.5 97.5#



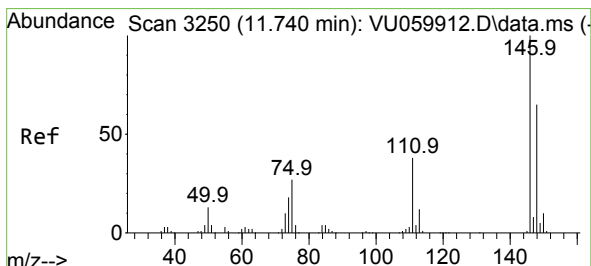
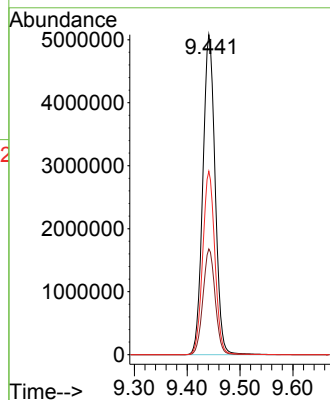
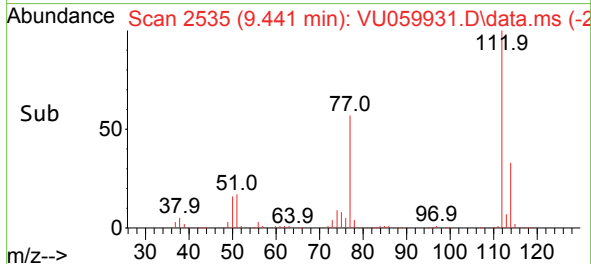


#51
Chlorobenzene
Concen: 203.005 ug/L
RT: 9.441 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059931.D
Acq: 12 Jul 2024 18:57

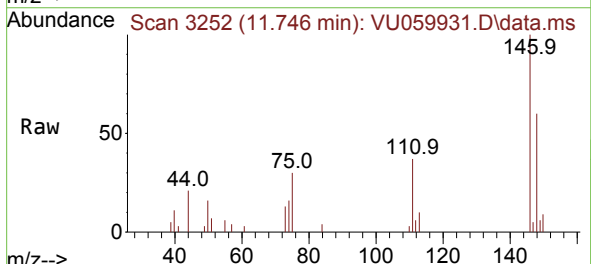
Instrument :
MSVOA_U
ClientSampleId :



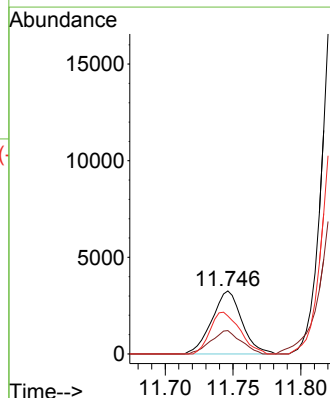
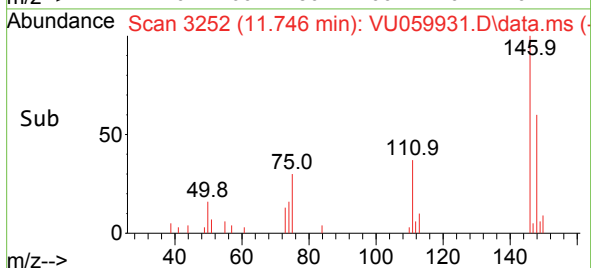
Tgt Ion:112 Resp: 8202631
Ion Ratio Lower Upper
112 100
114 33.1 22.4 41.6
77 57.3 49.1 73.7

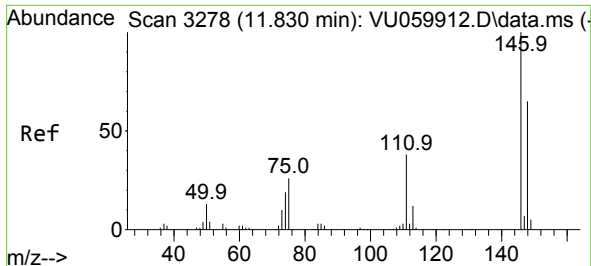


#64
1,3-Dichlorobenzene
Concen: 0.164 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.006 min
Lab File: VU059931.D
Acq: 12 Jul 2024 18:57



Tgt Ion:146 Resp: 5017
Ion Ratio Lower Upper
146 100
111 37.1 27.4 51.0
148 60.1 45.0 83.6

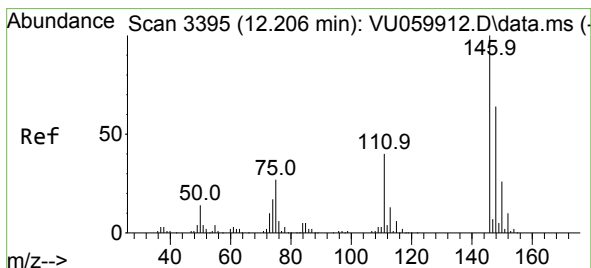
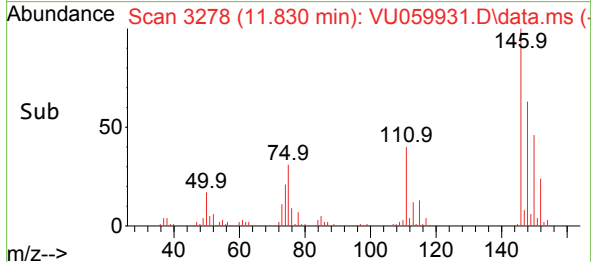
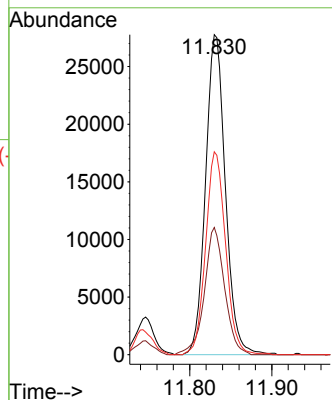
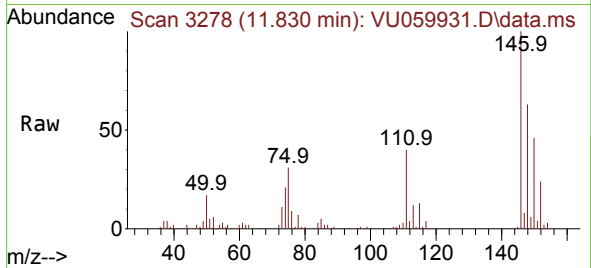




#65
1,4-Dichlorobenzene
Concen: 1.484 ug/L
RT: 11.830 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU059931.D
Acq: 12 Jul 2024 18:57

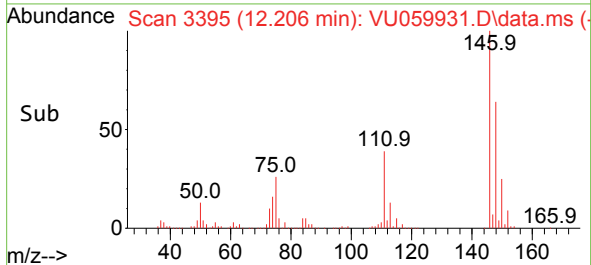
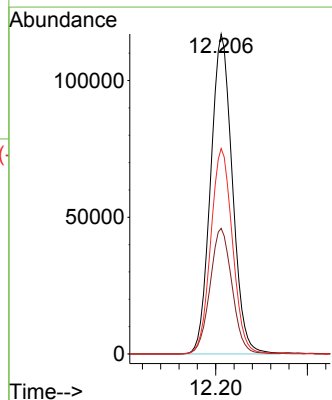
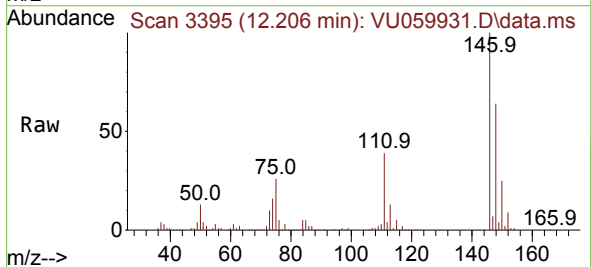
Instrument :
MSVOA_U
ClientSampleId :

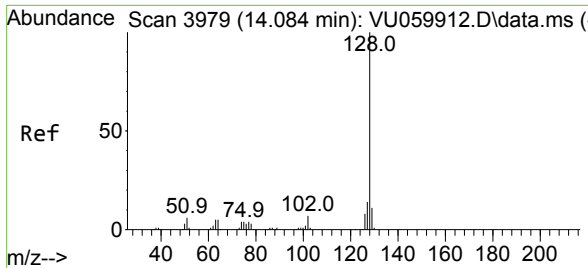
Tgt Ion:146 Resp: 46770
Ion Ratio Lower Upper
146 100
111 39.8 26.9 50.1
148 63.4 45.3 84.1



#67
1,2-Dichlorobenzene
Concen: 6.686 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU059931.D
Acq: 12 Jul 2024 18:57

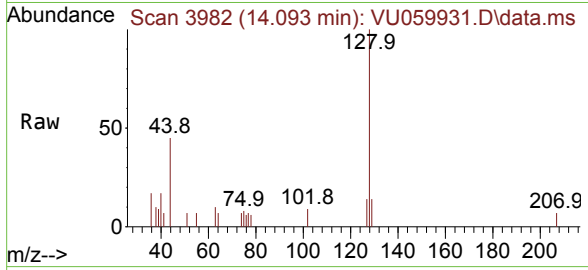
Tgt Ion:146 Resp: 192705
Ion Ratio Lower Upper
146 100
111 39.3 33.4 50.0
148 64.2 49.7 74.5





#71
 Naphthalene
 Concen: 0.158 ug/L
 RT: 14.093 min Scan# 3979
 Delta R.T. 0.010 min
 Lab File: VU059931.D
 Acq: 12 Jul 2024 18:57

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	128	Resp:	3930
Ion	Ratio	Lower	Upper
128	100		
129	8.3	8.2	12.4
127	11.7	10.2	15.4

