

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071224\
 Data File : VU059924.D
 Acq On : 12 Jul 2024 16:12
 Operator : MD/SY
 Sample : P3217-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZG5

Quant Time: Jul 13 03:57:54 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	211425	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	210156	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	108084	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	58462	3.977	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.908	69	50481	3.569	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.400%
11) 1,1-Dichloroethene-d2	2.560	65	24293	3.983	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	4.641	46	122412	40.423	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.840%
24) Chloroform-d	5.055	84	109711	3.636	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.800%
26) 1,2-Dichloroethane-d4	5.695	65	54643	3.759	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.200%
32) Benzene-d6	5.721	84	228195	3.945	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.000%
36) 1,2-Dichloropropane-d6	6.682	67	68281	3.853	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.000%
41) Toluene-d8	7.891	98	206745	3.845	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.000%
43) trans-1,3-Dichloroprop...	8.177	79	25430	4.582	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.600%
46) 2-Hexanone-d5	8.627	63	119153	51.673	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.340%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	58316	3.982	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	82645	4.296	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%

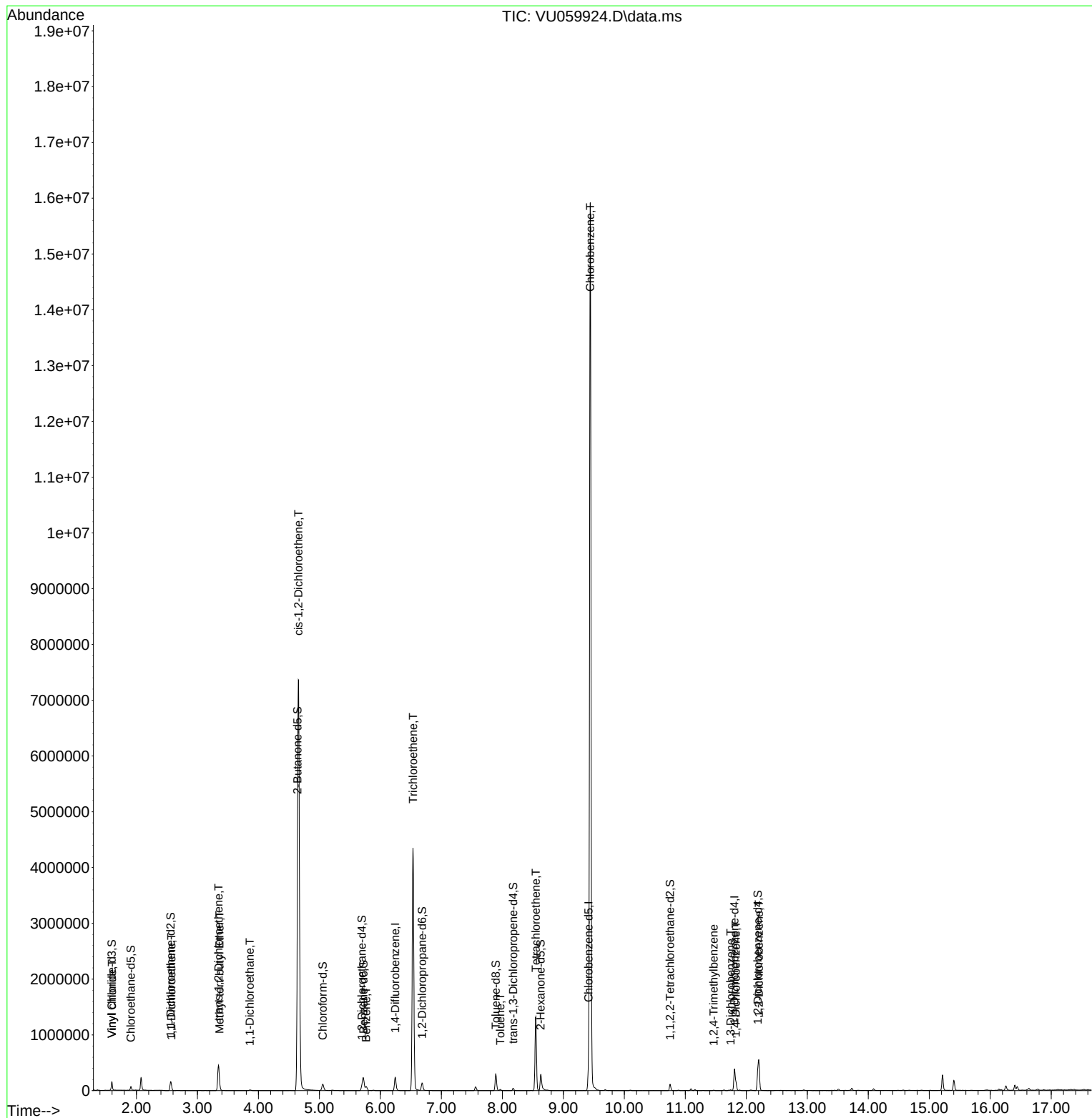
Target Compounds					Qvalue
5) Vinyl chloride	1.599	62	53828	2.527	ug/L 96
12) 1,1-Dichloroethene	2.573	96	19146	1.277	ug/L # 61
17) Methyl tert-butyl Ether	3.361	73	11139	0.345	ug/L 94
18) trans-1,2-Dichloroethene	3.345	96	203514	13.050	ug/L 89
19) 1,1-Dichloroethane	3.859	63	16421	0.571	ug/L 96
22) cis-1,2-Dichloroethene	4.657	96	4093259	238.133	ug/L 94
33) Benzene	5.766	78	74024	1.160	ug/L 100
34) Trichloroethene	6.534	95	1484181	85.874	ug/L 95
42) Toluene	7.965	91	16789	0.248	ug/L 91
47) Tetrachloroethene	8.547	164	312400	23.294	ug/L 94
51) Chlorobenzene	9.441	112	8890120	207.459	ug/L 96
63) 1,2,4-Trimethylbenzene	11.463	105	5348	0.106	ug/L 94
64) 1,3-Dichlorobenzene	11.743	146	6401	0.188	ug/L 96
65) 1,4-Dichlorobenzene	11.830	146	54992	1.573	ug/L 97
67) 1,2-Dichlorobenzene	12.206	146	205725	6.438	ug/L 97

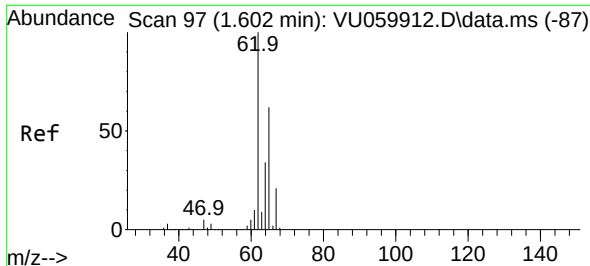
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

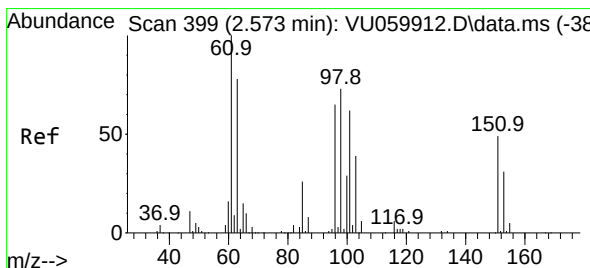
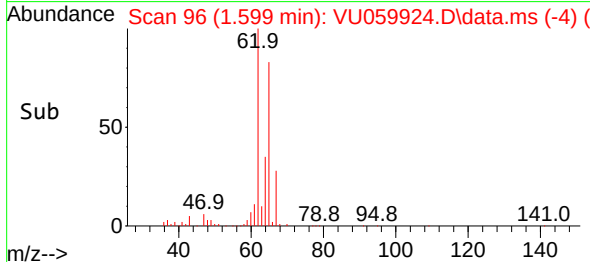
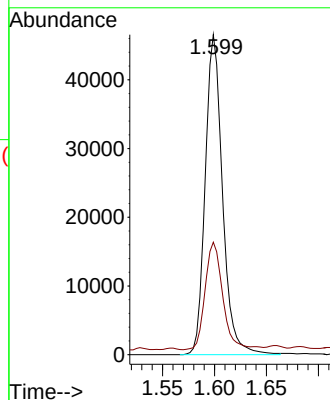
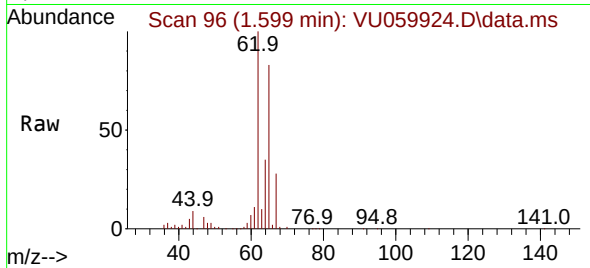




#5
 Vinyl chloride
 Concen: 2.527 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU059924.D
 Acq: 12 Jul 2024 16:12

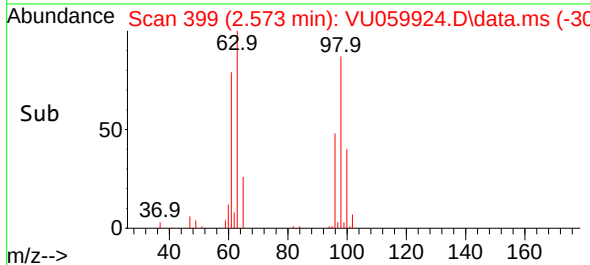
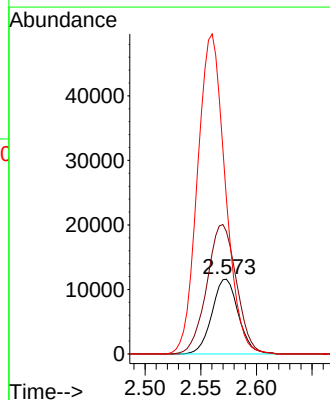
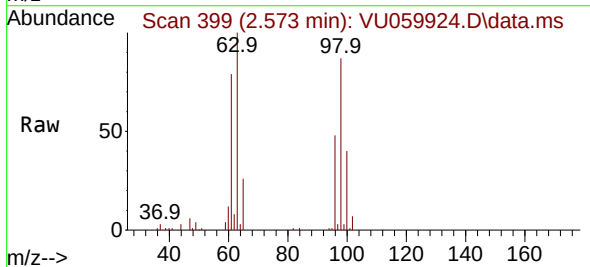
Instrument :
 MSVOA_U
 ClientSampleId :
 YDZG5

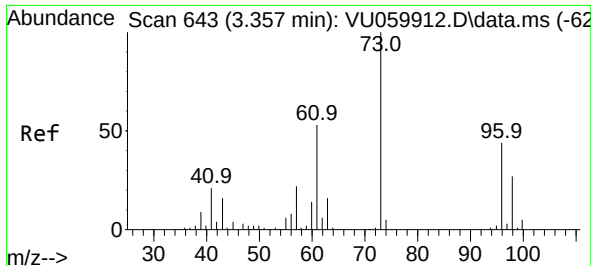
Tgt Ion: 62 Resp: 53828
 Ion Ratio Lower Upper
 62 100
 64 35.1 23.1 42.9



#12
 1,1-Dichloroethene
 Concen: 1.277 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU059924.D
 Acq: 12 Jul 2024 16:12

Tgt Ion: 96 Resp: 19146
 Ion Ratio Lower Upper
 96 100
 61 163.8 122.9 228.3
 63 206.8 80.4 149.4#

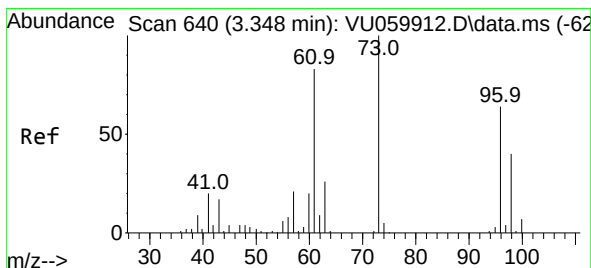
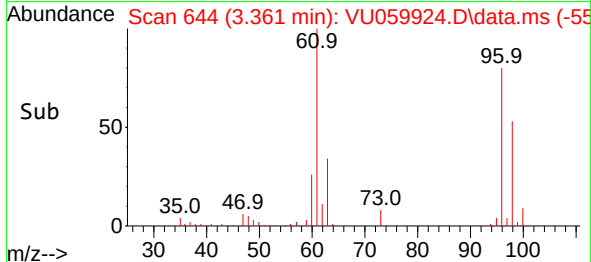
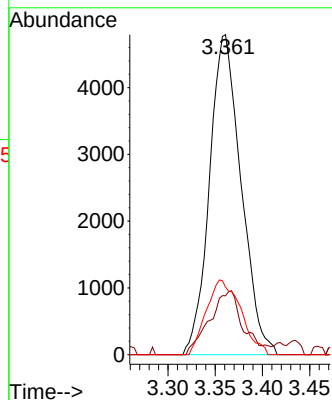
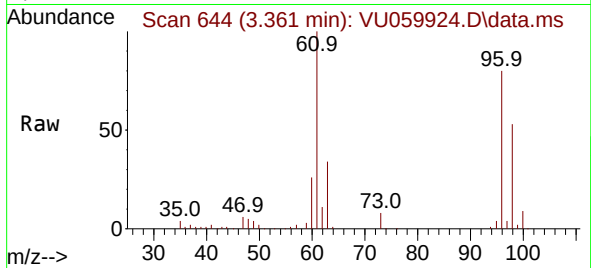




#17
Methyl tert-butyl Ether
Concen: 0.345 ug/L
RT: 3.361 min Scan# 643
Delta R.T. 0.003 min
Lab File: VU059924.D
Acq: 12 Jul 2024 16:12

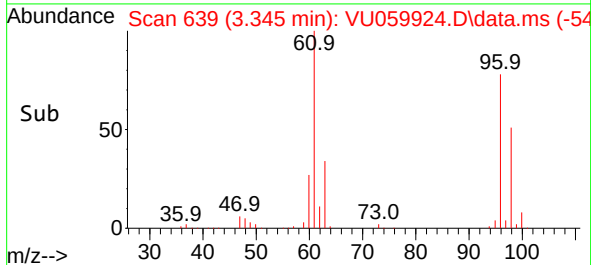
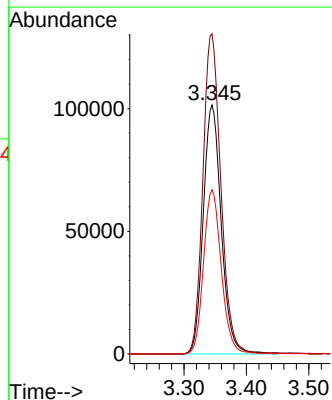
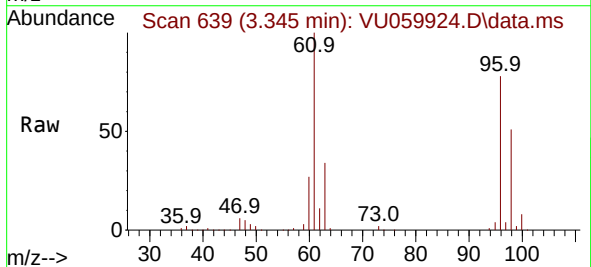
Instrument :
MSVOA_U
ClientSampleId :
YDZG5

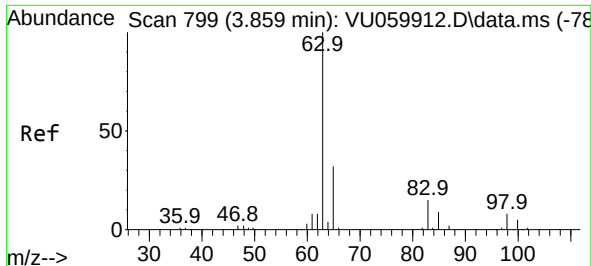
Tgt Ion: 73 Resp: 11139
Ion Ratio Lower Upper
73 100
43 21.4 14.9 22.3
57 25.5 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 13.050 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU059924.D
Acq: 12 Jul 2024 16:12

Tgt Ion: 96 Resp: 203514
Ion Ratio Lower Upper
96 100
61 128.6 101.8 189.0
98 66.0 43.3 80.5





#19

1,1-Dichloroethane

Concen: 0.571 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU059924.D

Acq: 12 Jul 2024 16:12

Instrument :

MSVOA_U

ClientSampleId :

YDZG5

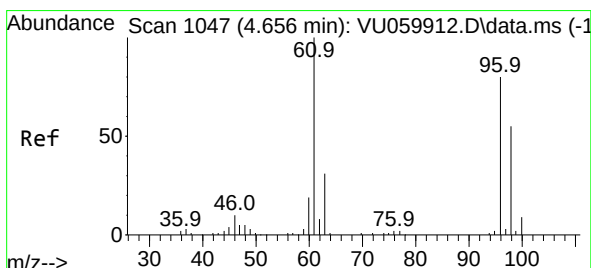
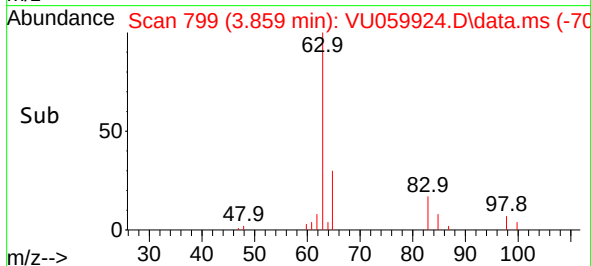
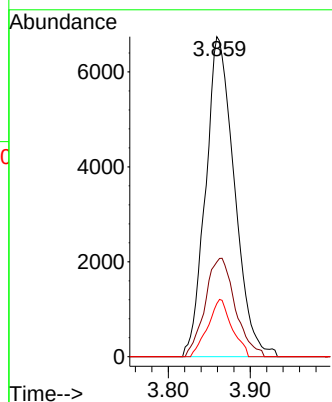
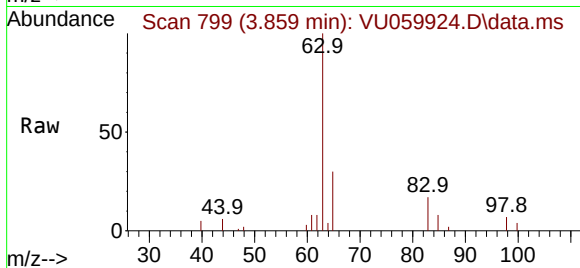
Tgt Ion: 63 Resp: 16421

Ion Ratio Lower Upper

63 100

65 29.6 21.8 40.6

83 16.6 9.9 18.5



#22

cis-1,2-Dichloroethene

Concen: 238.133 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU059924.D

Acq: 12 Jul 2024 16:12

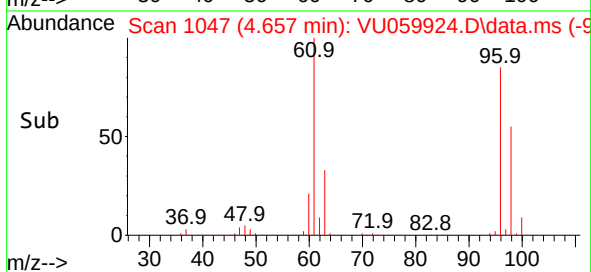
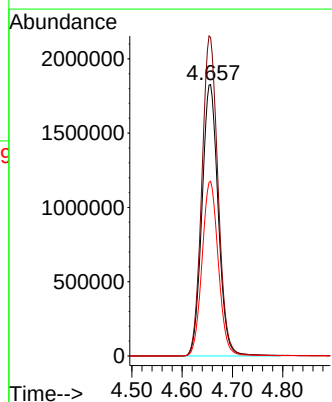
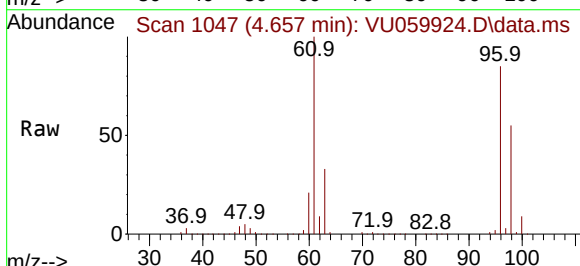
Tgt Ion: 96 Resp: 4093259

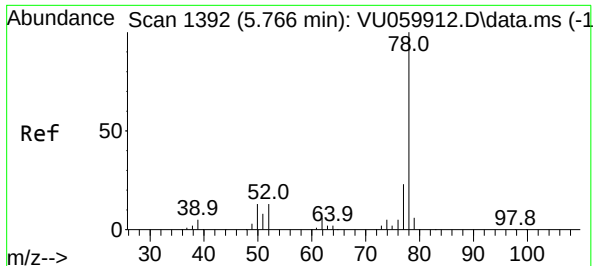
Ion Ratio Lower Upper

96 100

61 117.4 87.4 162.2

98 64.4 42.3 78.5

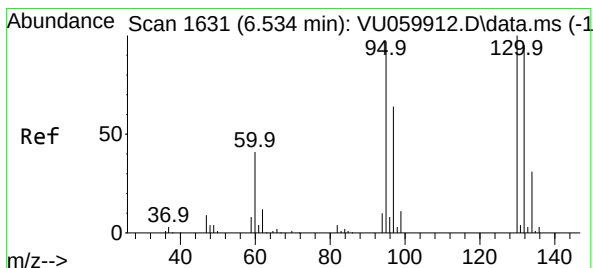
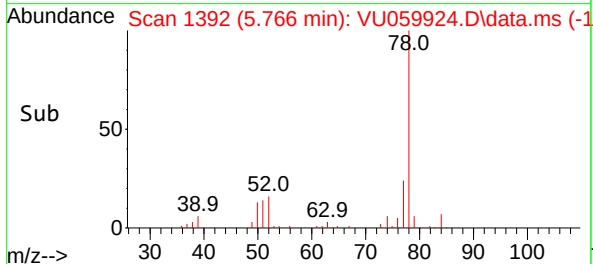
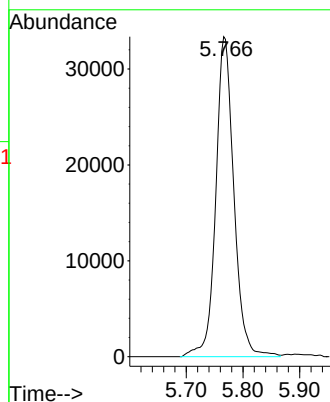
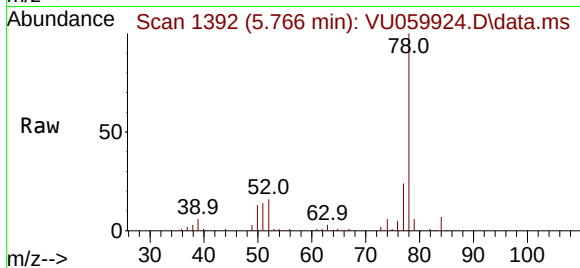




#33
Benzene
Concen: 1.160 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU059924.D
Acq: 12 Jul 2024 16:12

Instrument :
MSVOA_U
ClientSampleId :
YDZG5

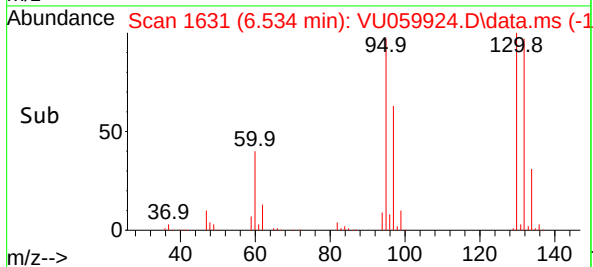
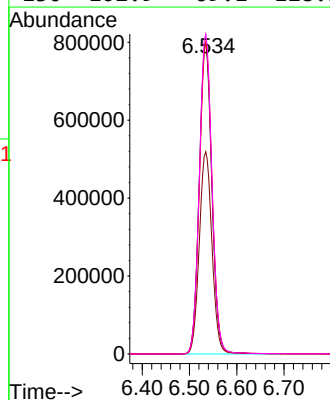
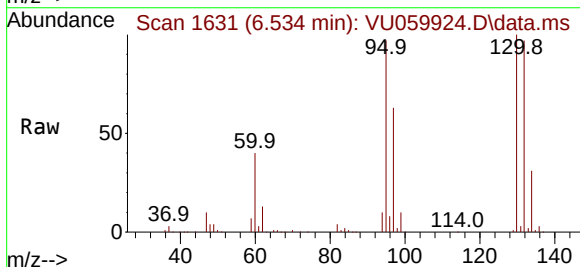
Tgt Ion: 78 Resp: 74024

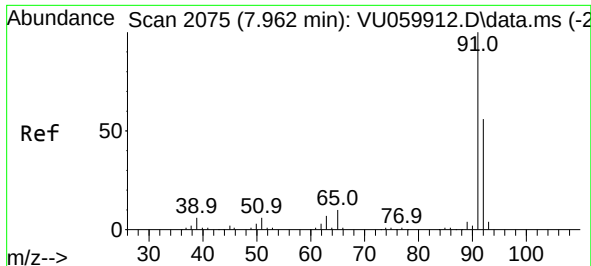


#34
Trichloroethene
Concen: 85.874 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU059924.D
Acq: 12 Jul 2024 16:12

Tgt Ion: 95 Resp: 1484181

Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.3	84.1
132	100.2	64.0	119.0
130	102.9	69.1	128.3





#42

Toluene

Concen: 0.248 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU059924.D

Acq: 12 Jul 2024 16:12

Instrument :

MSVOA_U

ClientSampleId :

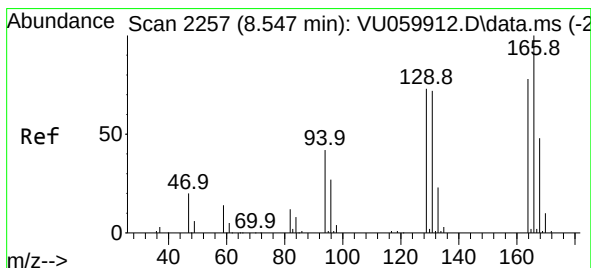
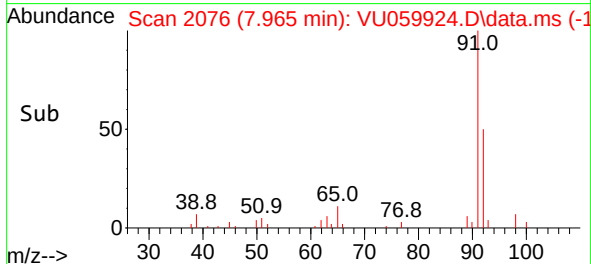
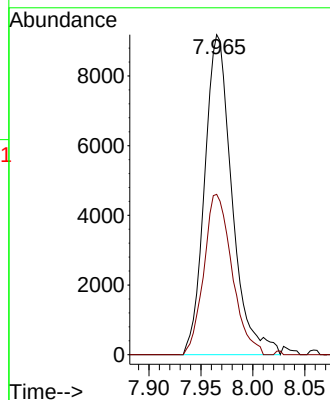
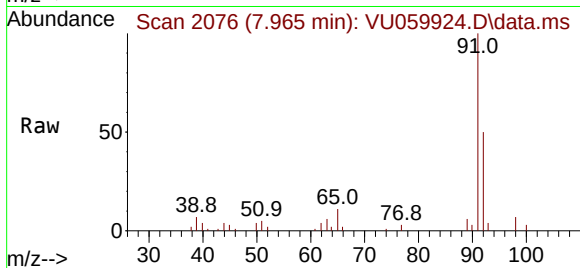
YDZG5

Tgt Ion: 91 Resp: 16789

Ion Ratio Lower Upper

91 100

92 50.1 39.7 73.7



#47

Tetrachloroethene

Concen: 23.294 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU059924.D

Acq: 12 Jul 2024 16:12

Tgt Ion: 164 Resp: 312400

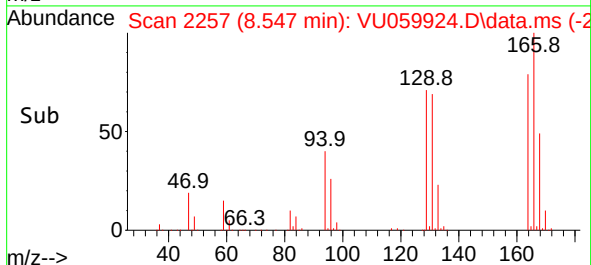
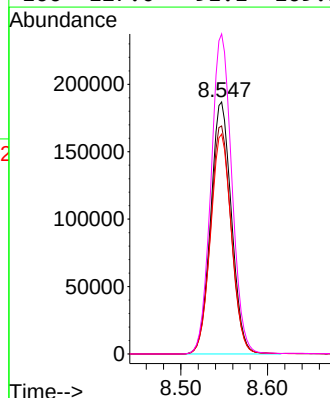
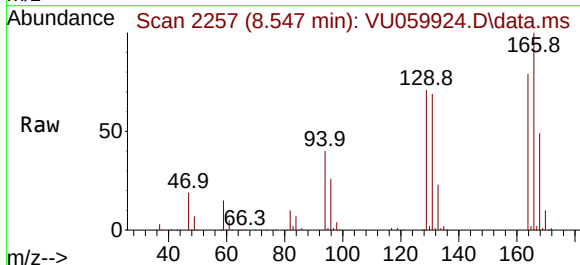
Ion Ratio Lower Upper

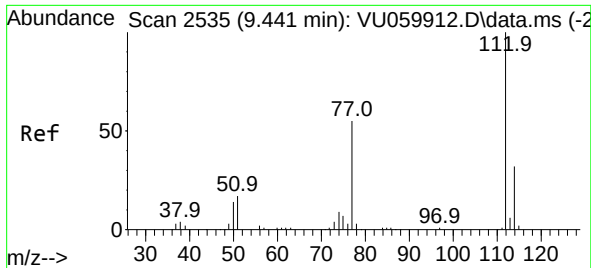
164 100

129 90.5 70.8 131.4

131 87.3 64.8 120.3

166 127.0 91.1 169.1

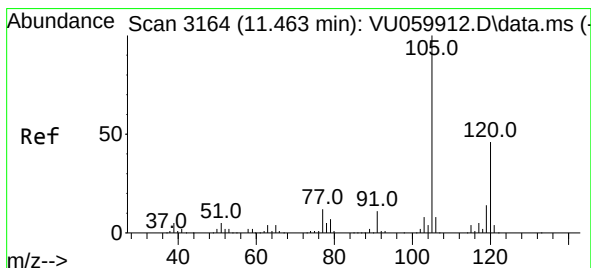
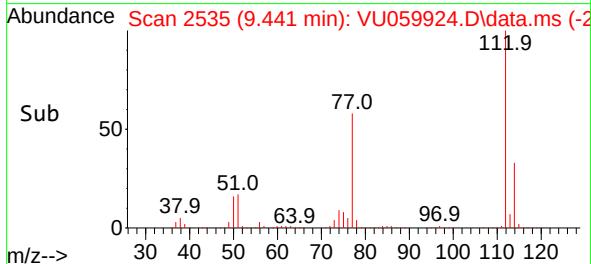
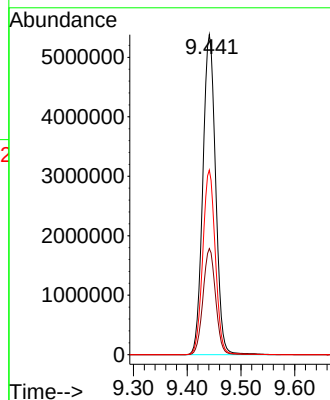
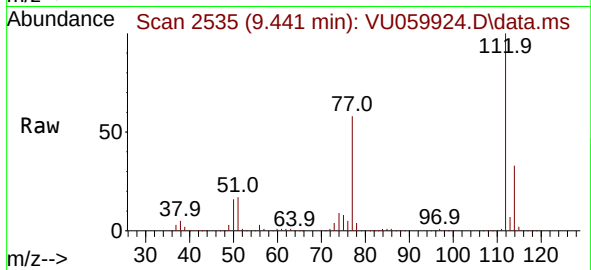




#51
Chlorobenzene
Concen: 207.459 ug/L
RT: 9.441 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059924.D
Acq: 12 Jul 2024 16:12

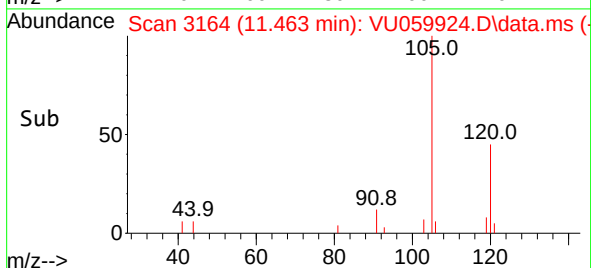
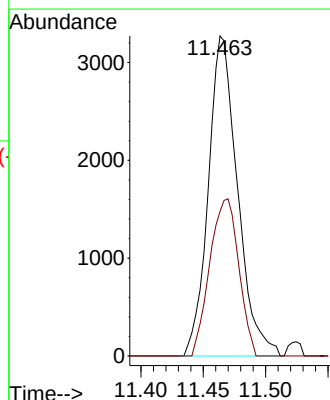
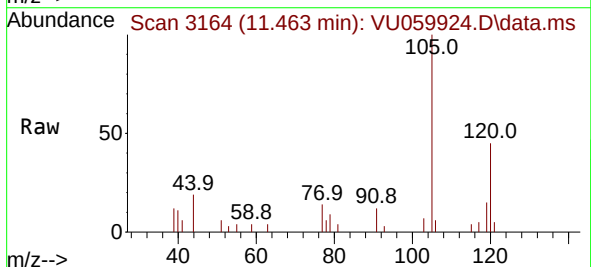
Instrument :
MSVOA_U
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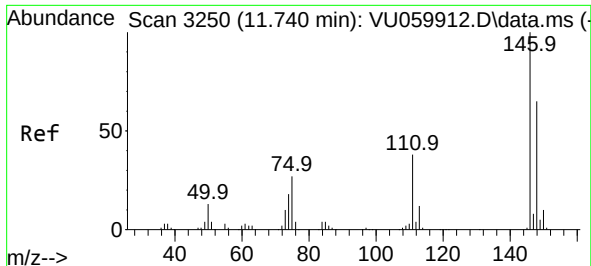
Tgt Ion:112 Resp: 8890120
Ion Ratio Lower Upper
112 100
114 33.1 22.4 41.6
77 57.7 49.1 73.7



#63
1,2,4-Trimethylbenzene
Concen: 0.106 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU059924.D
Acq: 12 Jul 2024 16:12

Tgt Ion:105 Resp: 5348
Ion Ratio Lower Upper
105 100
120 48.4 35.4 53.0

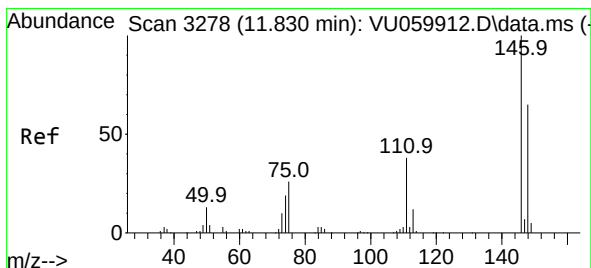
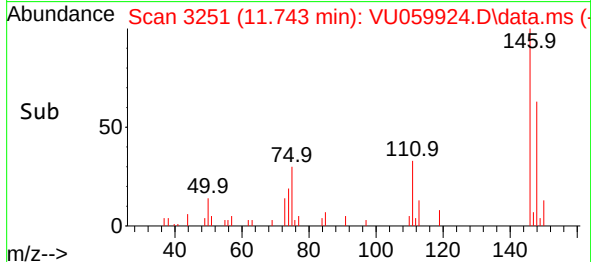
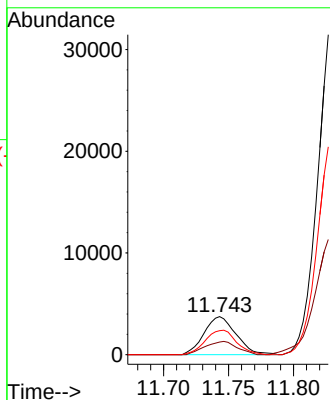
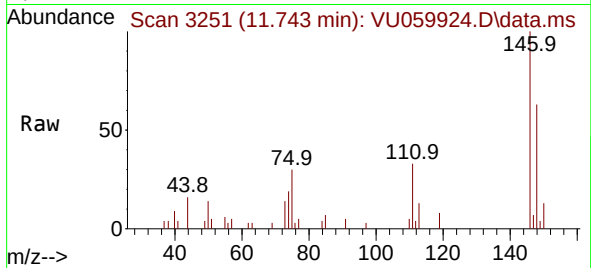




#64
1,3-Dichlorobenzene
Concen: 0.188 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU059924.D
Acq: 12 Jul 2024 16:12

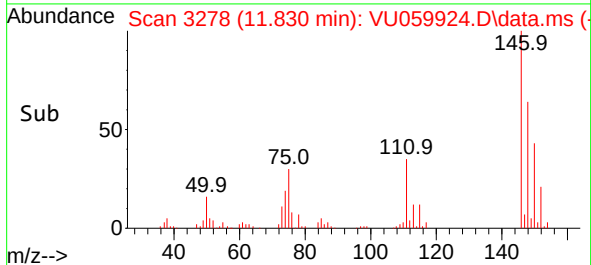
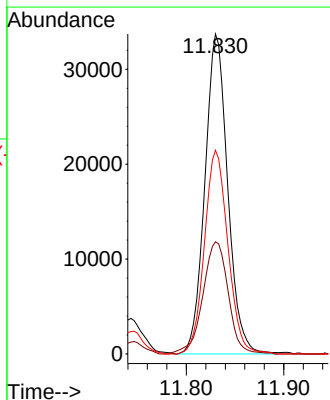
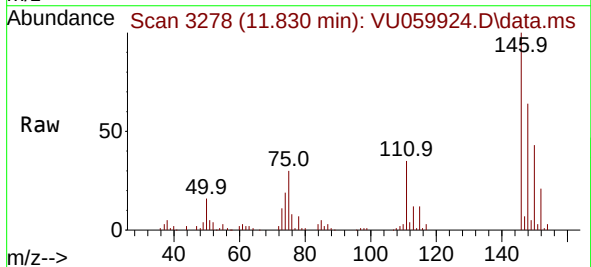
Instrument :
MSVOA_U
ClientSampleId :
YDZG5

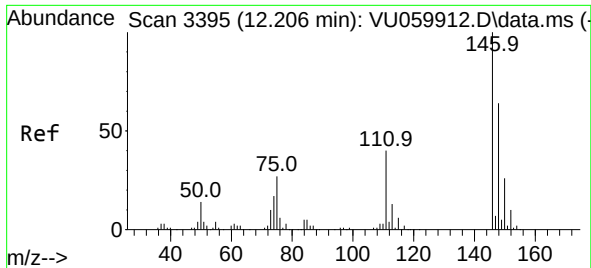
Tgt Ion:146 Resp: 6401
Ion Ratio Lower Upper
146 100
111 33.4 27.4 51.0
148 63.3 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 1.573 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU059924.D
Acq: 12 Jul 2024 16:12

Tgt Ion:146 Resp: 54992
Ion Ratio Lower Upper
146 100
111 35.0 26.9 50.1
148 63.6 45.3 84.1





#67
 1,2-Dichlorobenzene
 Concen: 6.438 ug/L
 RT: 12.206 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU059924.D
 Acq: 12 Jul 2024 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZG5

Tgt Ion:146 Resp: 205725
 Ion Ratio Lower Upper
 146 100
 111 40.3 33.4 50.0
 148 64.5 49.7 74.5

