

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100224\
 Data File : VU061069.D
 Acq On : 02 Oct 2024 12:25
 Operator : MD/SY
 Sample : P4227-05 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 03 06:28:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 03 06:26:52 2024
 Response via : Initial Calibration

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

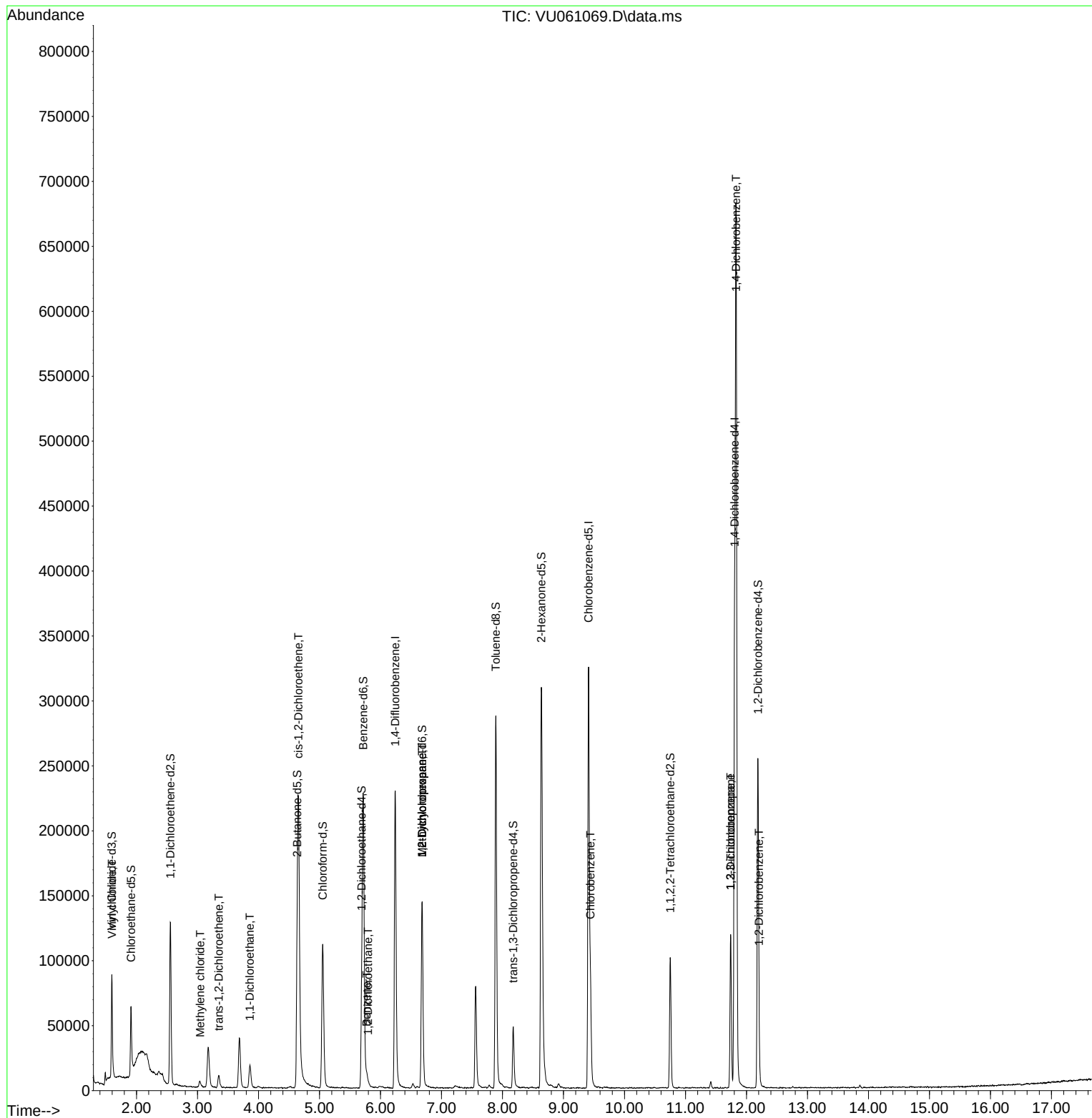
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	186873	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	174825	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	85205	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	55646	4.165	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	83.400%		
7) Chloroethane-d5	1.911	69	42389	4.239	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	84.800%		
11) 1,1-Dichloroethene-d2	2.557	65	24821	4.211	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	84.200%		
20) 2-Butanone-d5	4.634	46	158031	49.380	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	98.760%		
24) Chloroform-d	5.052	84	104642	4.444	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	88.800%		
26) 1,2-Dichloroethane-d4	5.692	65	57596	4.615	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	92.200%		
32) Benzene-d6	5.718	84	209296	4.540	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	90.800%		
36) 1,2-Dichloropropane-d6	6.682	67	71747	4.739	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	94.800%		
41) Toluene-d8	7.891	98	192902	4.477	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	89.600%		
43) trans-1,3-Dichloroprop...	8.174	79	28702	4.434	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	88.600%		
46) 2-Hexanone-d5	8.637	63	133355	49.775	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	99.540%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	52644	4.742	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	94.800%		
66) 1,2-Dichlorobenzene-d4	12.187	152	63799	4.683	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	93.600%		
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	5886	0.446	ug/L #	81
16) Methylene chloride	3.042	84	2444	0.197	ug/L	92
18) trans-1,2-Dichloroethene	3.348	96	3747	0.317	ug/L	96
19) 1,1-Dichloroethane	3.859	63	20348	0.884	ug/L	96
22) cis-1,2-Dichloroethene	4.656	96	87823	6.666	ug/L	93
27) 1,2-Dichloroethane	5.795	62	2142	0.141	ug/L #	72
33) Benzene	5.772	78	7494	0.145	ug/L	100
35) Methylcyclohexane	6.682	83	15600	0.691	ug/L #	19
37) 1,2-Dichloropropane	6.682	63	7868	0.579	ug/L #	93
51) Chlorobenzene	9.441	112	39865	1.192	ug/L	95
61) 1,2,3-Trichloropropane	11.740	75	16012	1.913	ug/L #	50
64) 1,3-Dichlorobenzene	11.740	146	45220	1.851	ug/L	95
65) 1,4-Dichlorobenzene	11.830	146	248128	10.276	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	4169	0.185	ug/L #	91

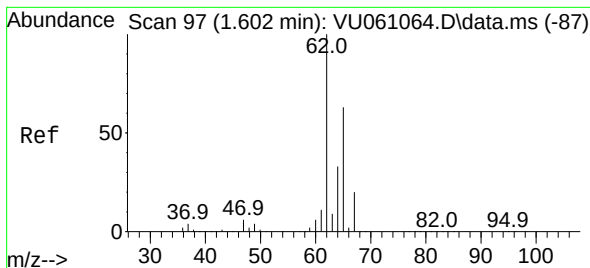
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.446 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU061069.D

Acq: 02 Oct 2024 12:25

Instrument :

MSVOA_U

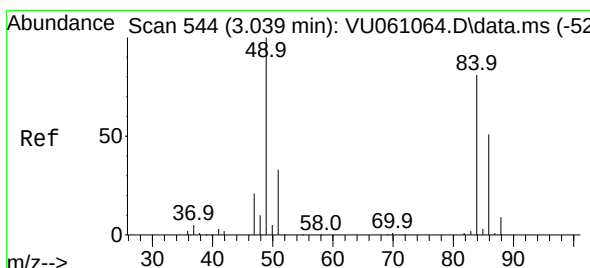
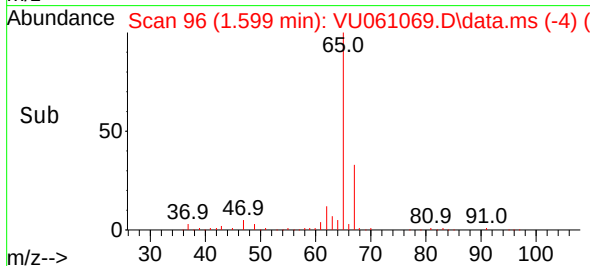
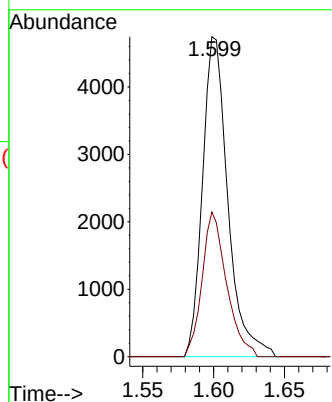
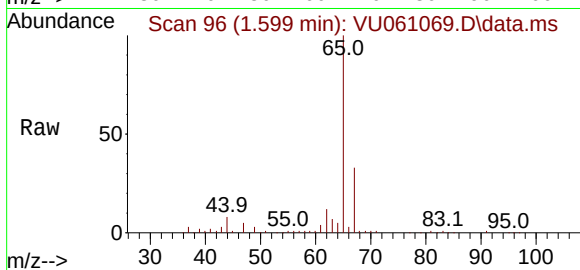
ClientSampleId :

Tgt Ion: 62 Resp: 5886

Ion Ratio Lower Upper

62 100

64 45.2 24.0 44.6#



#16

Methylene chloride

Concen: 0.197 ug/L

RT: 3.042 min Scan# 545

Delta R.T. 0.003 min

Lab File: VU061069.D

Acq: 02 Oct 2024 12:25

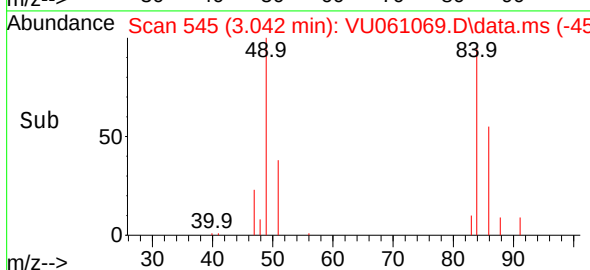
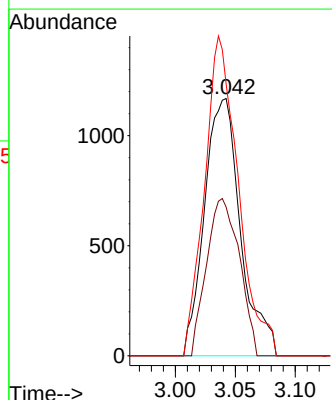
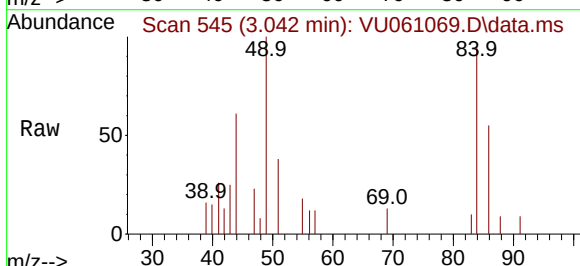
Tgt Ion: 84 Resp: 2444

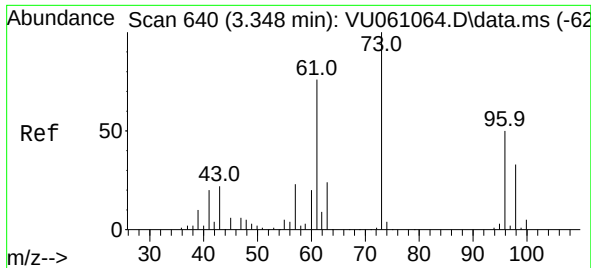
Ion Ratio Lower Upper

84 100

86 57.8 47.3 87.8

49 105.6 78.7 146.1

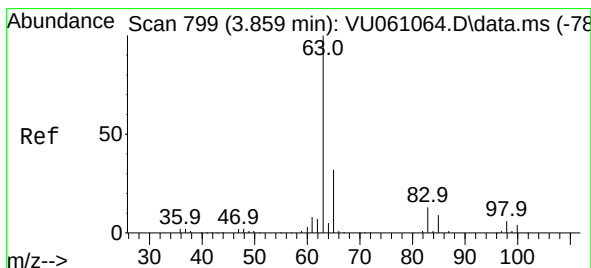
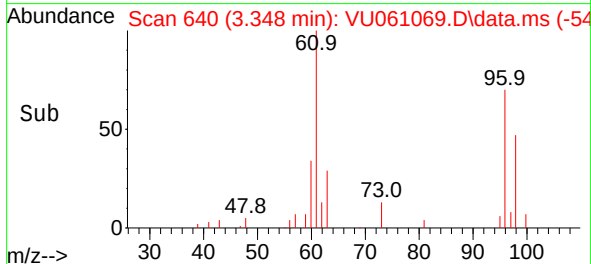
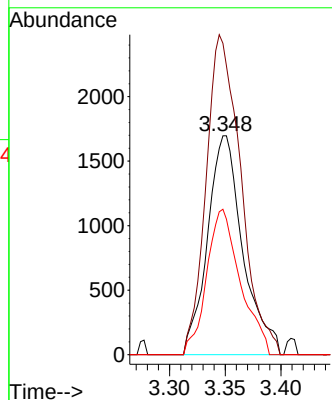
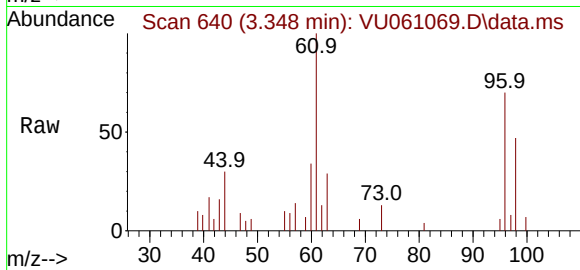




#18
trans-1,2-Dichloroethene
Concen: 0.317 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU061069.D
Acq: 02 Oct 2024 12:25

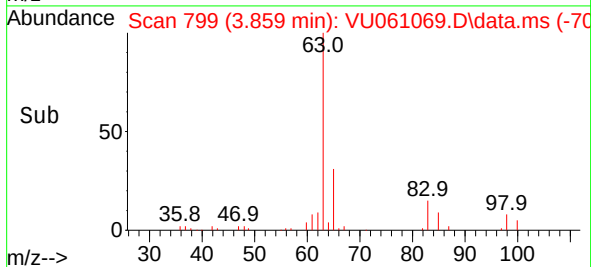
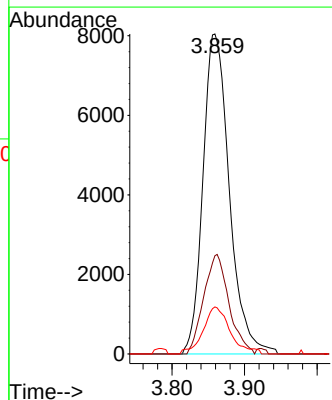
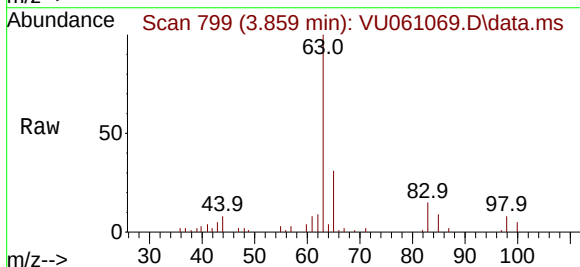
Instrument :
MSVOA_U
ClientSampleId :

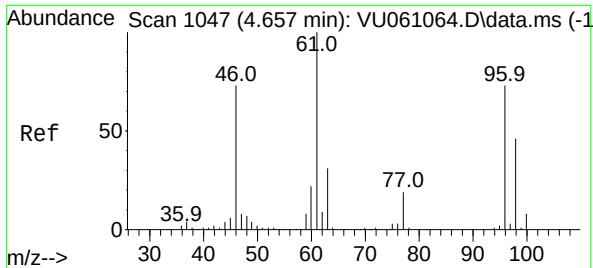
Tgt Ion: 96 Resp: 3747
Ion Ratio Lower Upper
96 100
61 142.3 97.2 180.6
98 66.5 43.3 80.5



#19
1,1-Dichloroethane
Concen: 0.884 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU061069.D
Acq: 02 Oct 2024 12:25

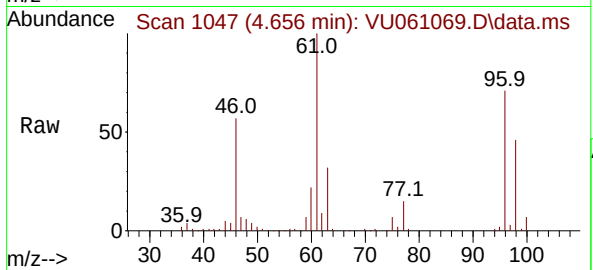
Tgt Ion: 63 Resp: 20348
Ion Ratio Lower Upper
63 100
65 30.7 23.0 42.8
83 14.7 9.0 16.6



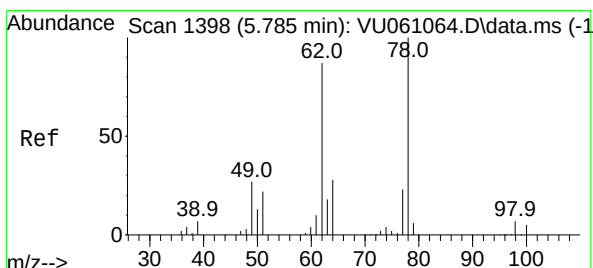
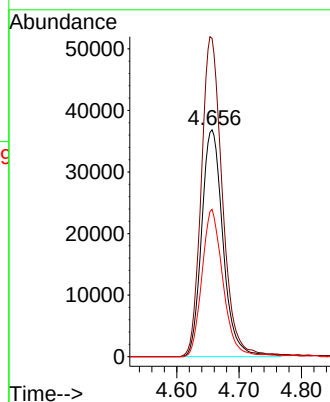
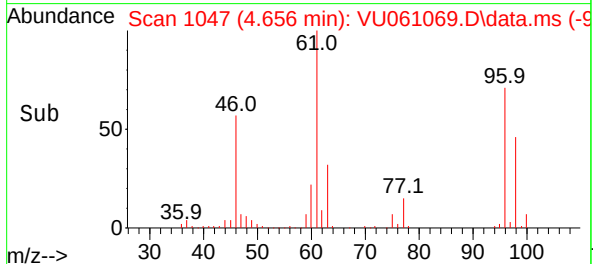


#22
 cis-1,2-Dichloroethene
 Concen: 6.666 ug/L
 RT: 4.656 min Scan# 1400
 Delta R.T. -0.000 min
 Lab File: VU061069.D
 Acq: 02 Oct 2024 12:25

Instrument :
 MSVOA_U
 ClientSampleId :

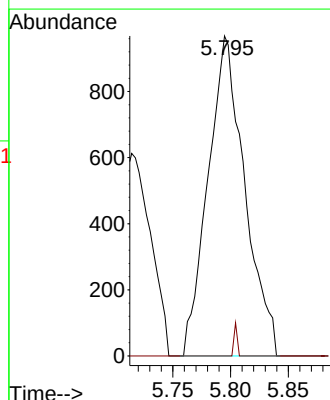
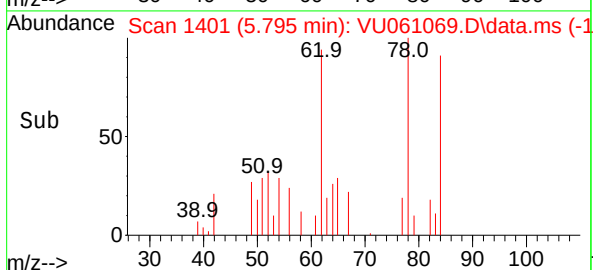
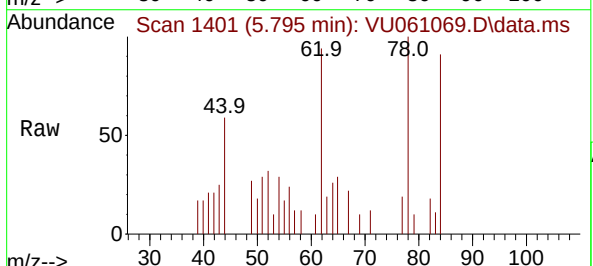


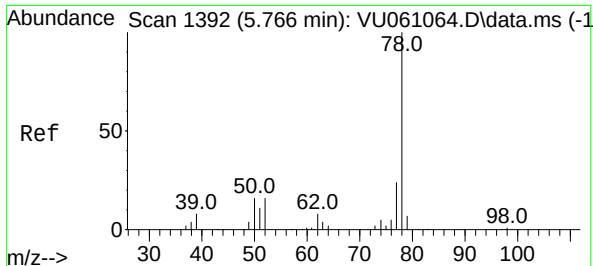
Tgt Ion: 96 Resp: 87823
 Ion Ratio Lower Upper
 96 100
 61 140.3 89.7 166.5
 98 64.9 45.1 83.9



#27
 1,2-Dichloroethane
 Concen: 0.141 ug/L
 RT: 5.795 min Scan# 1401
 Delta R.T. 0.009 min
 Lab File: VU061069.D
 Acq: 02 Oct 2024 12:25

Tgt Ion: 62 Resp: 2142
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#

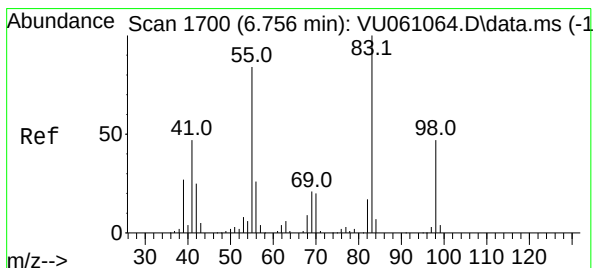
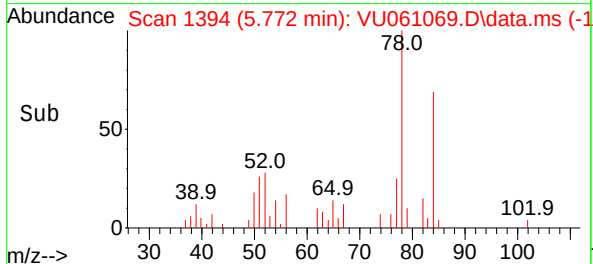
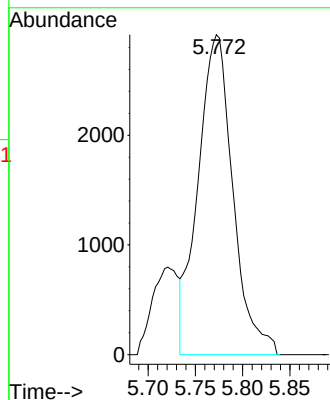
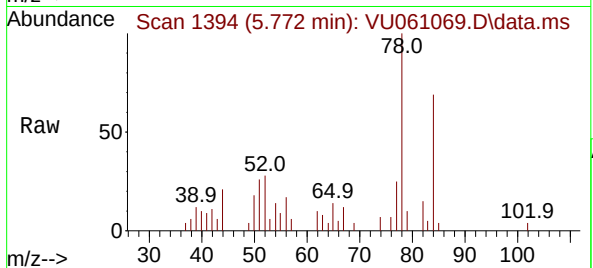




#33
Benzene
Concen: 0.145 ug/L
RT: 5.772 min Scan# 14
Delta R.T. 0.006 min
Lab File: VU061069.D
Acq: 02 Oct 2024 12:25

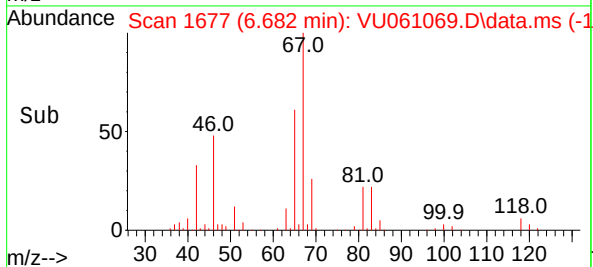
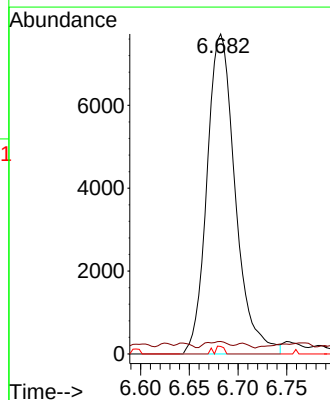
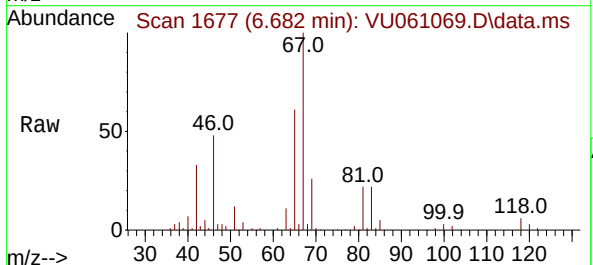
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MSVOA_U
ClientSampleId :

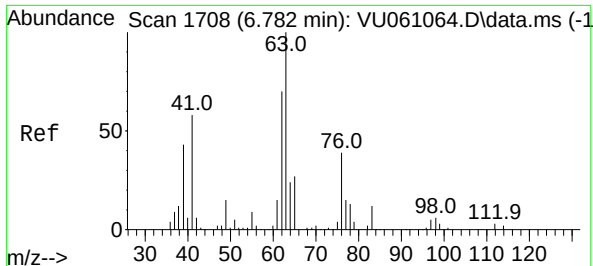
Tgt Ion: 78 Resp: 7494



#35
Methylcyclohexane
Concen: 0.691 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU061069.D
Acq: 02 Oct 2024 12:25

Tgt Ion: 83 Resp: 15600
Ion Ratio Lower Upper
83 100
55 1.4 62.6 94.0#
98 0.8 37.6 56.4#

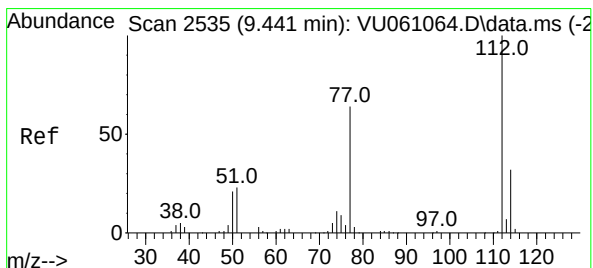
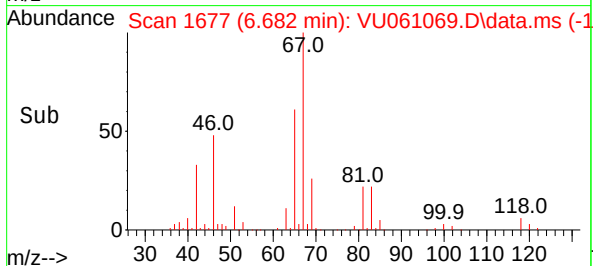
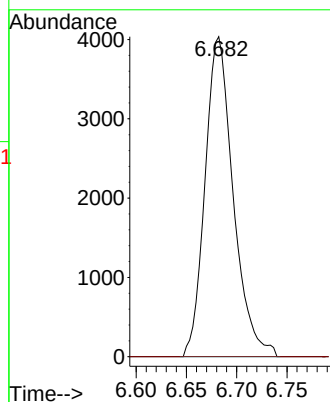
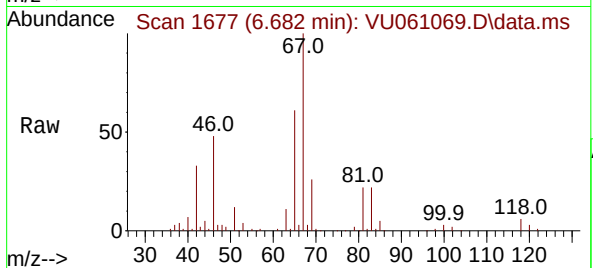




#37
1,2-Dichloropropane
Concen: 0.579 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU061069.D
Acq: 02 Oct 2024 12:25

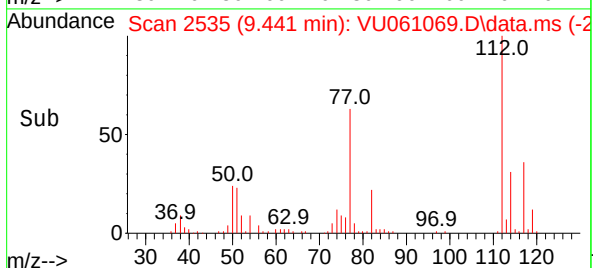
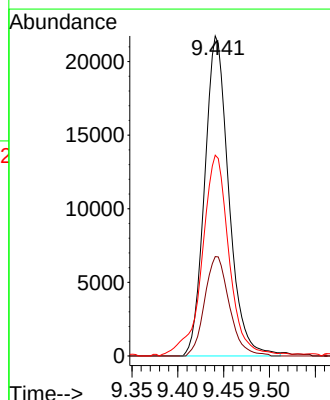
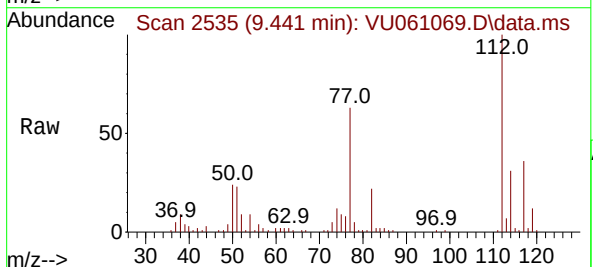
Instrument :
MSVOA_U
ClientSampleId :

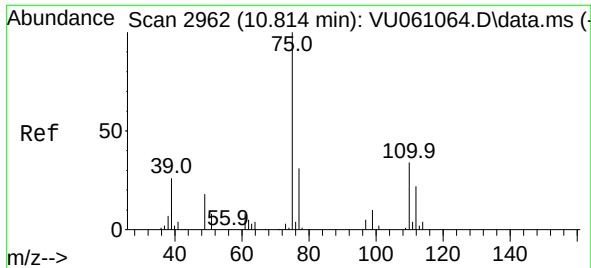
Tgt Ion: 63 Resp: 7868
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#51
Chlorobenzene
Concen: 1.192 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU061069.D
Acq: 02 Oct 2024 12:25

Tgt Ion: 112 Resp: 39865
Ion Ratio Lower Upper
112 100
114 31.1 22.2 41.2
77 62.8 46.1 69.1

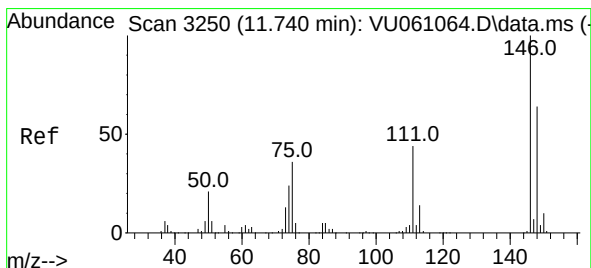
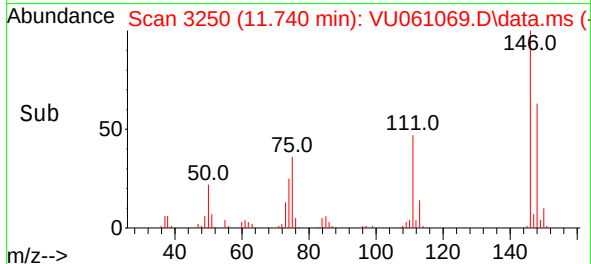
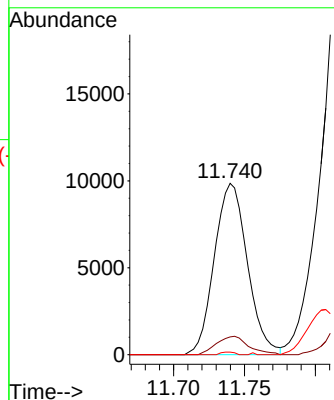
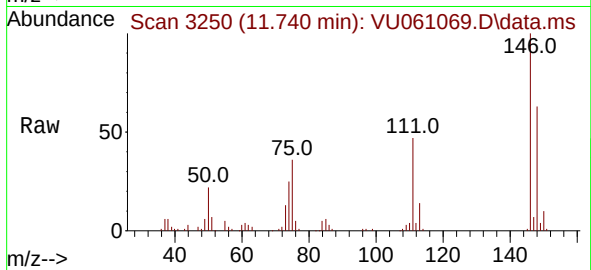




#61
1,2,3-Trichloropropane
Concen: 1.913 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.926 min
Lab File: VU061069.D
Acq: 02 Oct 2024 12:25

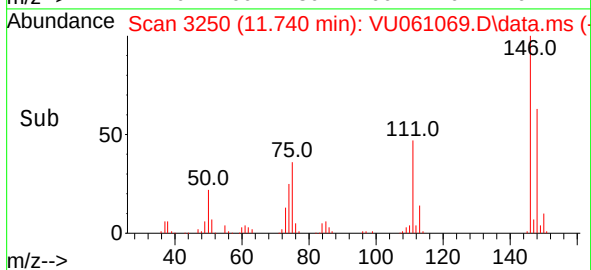
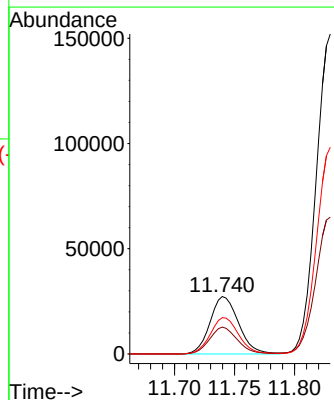
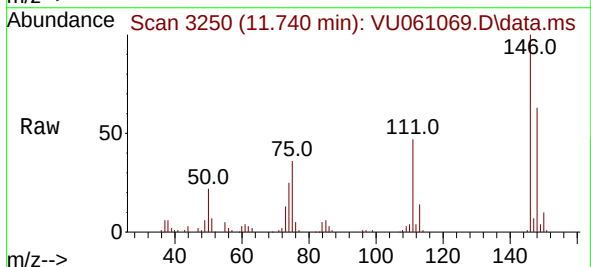
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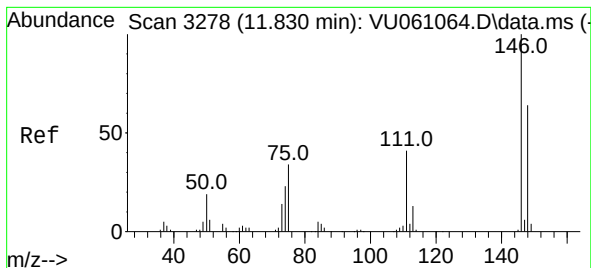
Tgt Ion: 75 Resp: 16012
Ion Ratio Lower Upper
75 100
110 10.4 28.6 43.0#
77 0.0 26.3 39.5#



#64
1,3-Dichlorobenzene
Concen: 1.851 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. -0.000 min
Lab File: VU061069.D
Acq: 02 Oct 2024 12:25

Tgt Ion:146 Resp: 45220
Ion Ratio Lower Upper
146 100
111 46.7 27.5 51.1
148 63.2 43.7 81.1





#65

1,4-Dichlorobenzene

Concen: 10.276 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

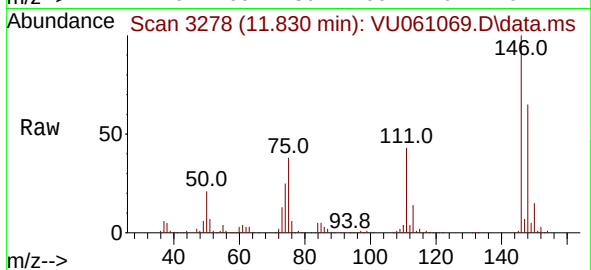
Lab File: VU061069.D

Acq: 02 Oct 2024 12:25

Instrument :

MSVOA_U

ClientSampleId :



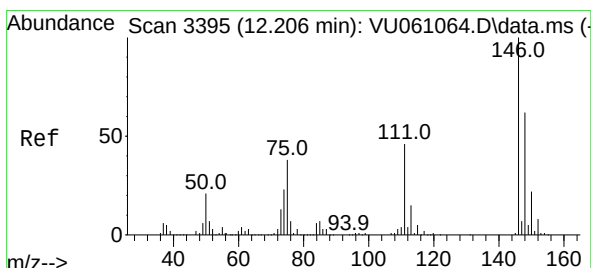
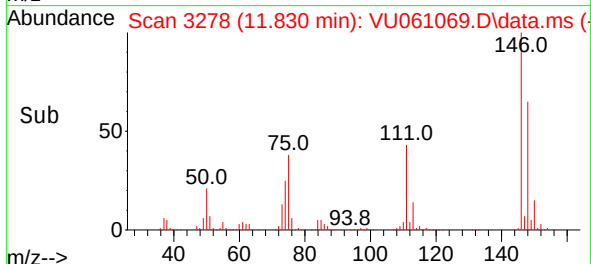
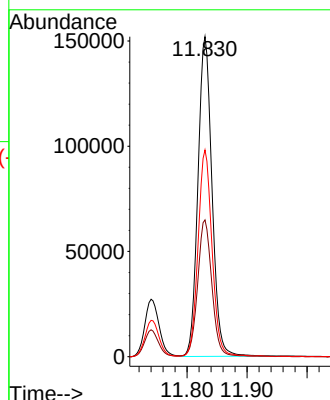
Tgt Ion:146 Resp: 248128

Ion Ratio Lower Upper

146 100

111 42.7 26.3 48.9

148 64.6 45.3 84.1



#67

1,2-Dichlorobenzene

Concen: 0.185 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU061069.D

Acq: 02 Oct 2024 12:25

Tgt Ion:146 Resp: 4169

Ion Ratio Lower Upper

146 100

111 54.8 33.4 50.0#

148 64.8 50.9 76.3

