

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100224\
 Data File : VU061071.D
 Acq On : 02 Oct 2024 13:12
 Operator : MD/SY
 Sample : P4227-14DL 40X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 03 06:29:19 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)

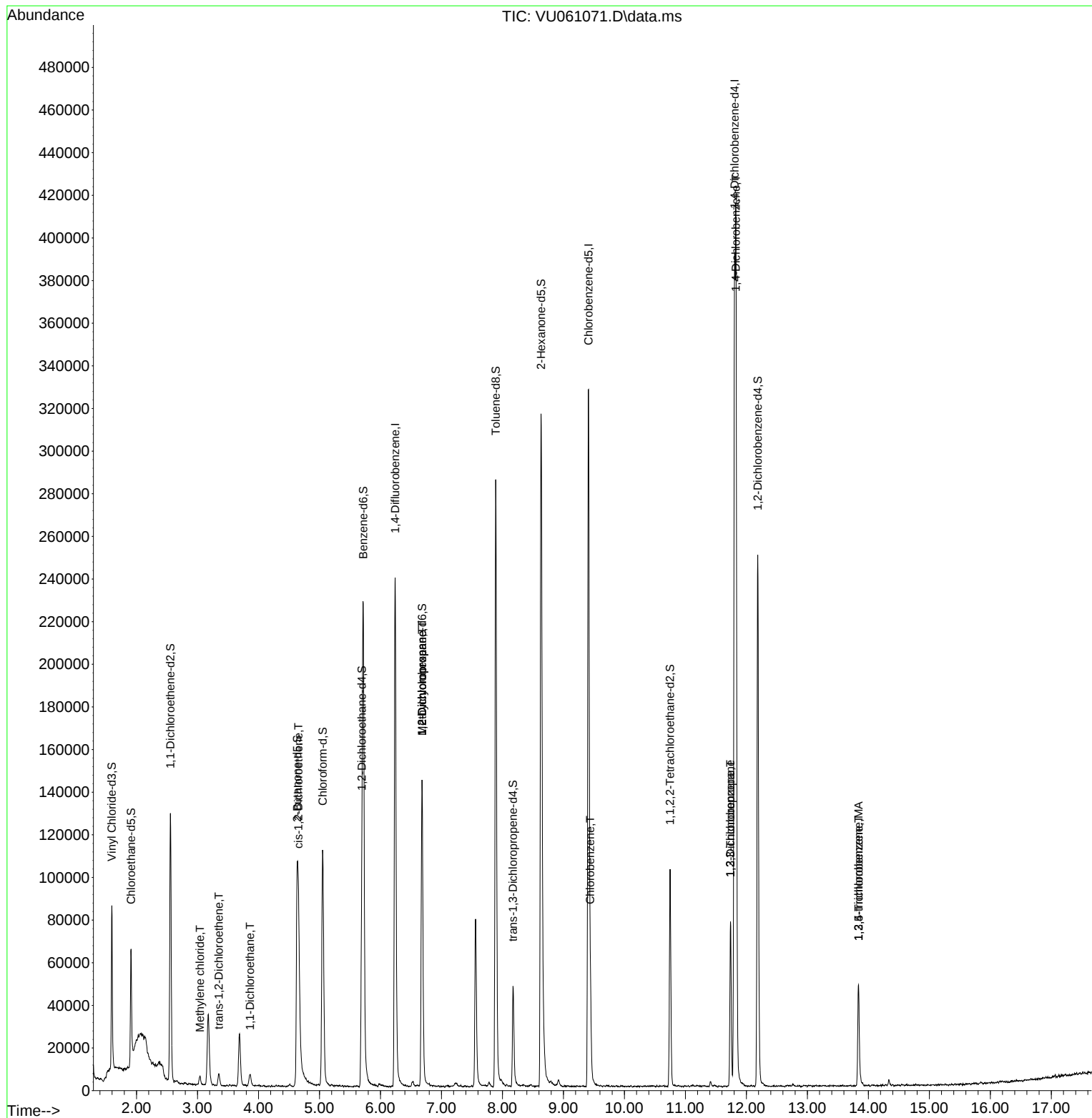
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	196694	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	180761	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	87234	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	55428	3.942	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.800%
7) Chloroethane-d5	1.911	69	41952	3.986	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.800%
11) 1,1-Dichloroethene-d2	2.557	65	24708	3.983	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	4.634	46	152980	45.415	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.820%
24) Chloroform-d	5.052	84	105133	4.242	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.800%
26) 1,2-Dichloroethane-d4	5.695	65	58137	4.426	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
32) Benzene-d6	5.718	84	210275	4.412	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	6.682	67	71404	4.562	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.891	98	190030	4.266	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
43) trans-1,3-Dichloroprop...	8.174	79	28690	4.287	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.800%
46) 2-Hexanone-d5	8.634	63	132183	47.717	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.440%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	52735	4.594	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	63454	4.549	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
					Qvalue	
16) Methylene chloride	3.039	84	2055	0.158	ug/L	87
18) trans-1,2-Dichloroethene	3.351	96	2511	0.202	ug/L	97
19) 1,1-Dichloroethane	3.862	63	7210	0.298	ug/L #	95
22) cis-1,2-Dichloroethene	4.656	96	20132	1.452	ug/L	93
35) Methylcyclohexane	6.682	83	15654	0.671	ug/L #	18
37) 1,2-Dichloropropane	6.682	63	7861	0.560	ug/L #	93
51) Chlorobenzene	9.441	112	22289	0.645	ug/L #	87
61) 1,2,3-Trichloropropane	11.740	75	10615	1.239	ug/L #	48
64) 1,3-Dichlorobenzene	11.740	146	29556	1.182	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	142458	5.763	ug/L	96
69) 1,3,5-Trichlorobenzene	13.839	180	15487	0.880	ug/L #	95
70) 1,2,4-trichlorobenzene	13.839	180	15487	1.148	ug/L	98

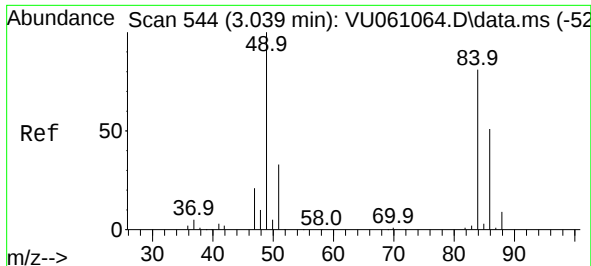
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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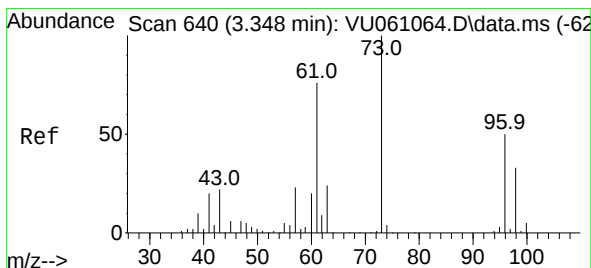
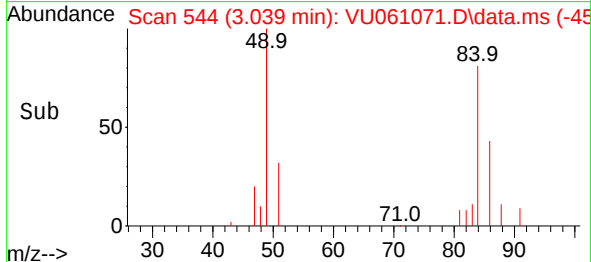
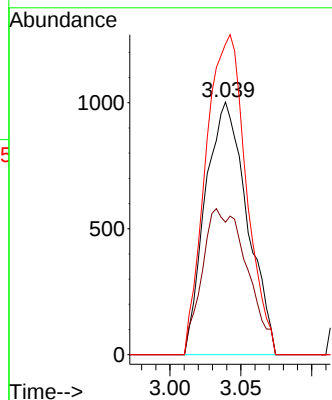
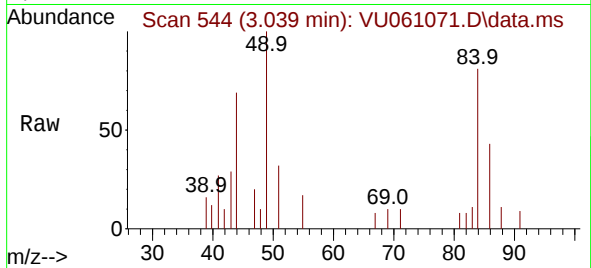




#16
Methylene chloride
Concen: 0.158 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU061071.D
Acq: 02 Oct 2024 13:12

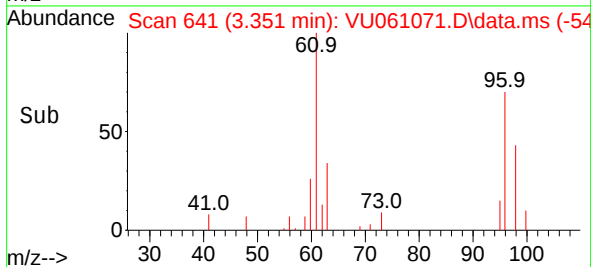
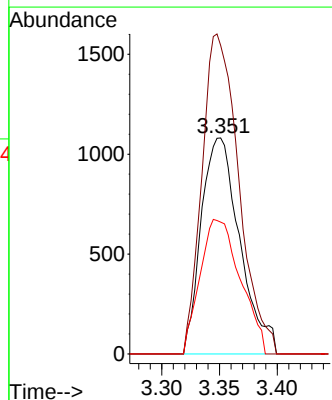
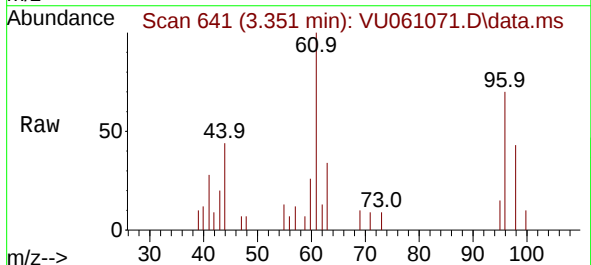
Instrument :
MSVOA_U
ClientSampleId :

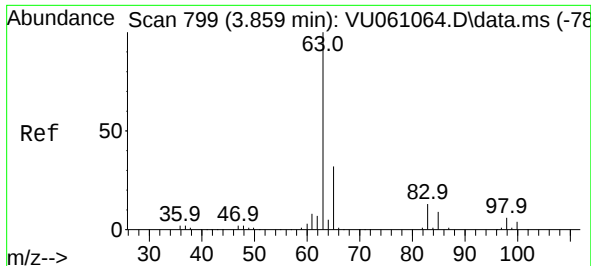
Tgt Ion: 84 Resp: 2055
Ion Ratio Lower Upper
84 100
86 52.4 47.3 87.8
49 122.9 78.7 146.1



#18
trans-1,2-Dichloroethene
Concen: 0.202 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU061071.D
Acq: 02 Oct 2024 13:12

Tgt Ion: 96 Resp: 2511
Ion Ratio Lower Upper
96 100
61 142.8 97.2 180.6
98 61.1 43.3 80.5





#19

1,1-Dichloroethane

Concen: 0.298 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU061071.D

Acq: 02 Oct 2024 13:12

Instrument :

MSVOA_U

ClientSampleId :

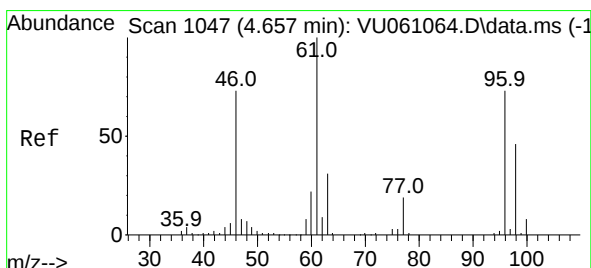
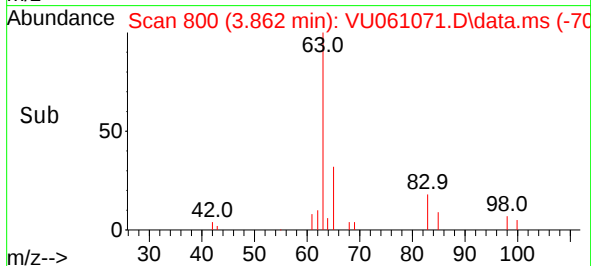
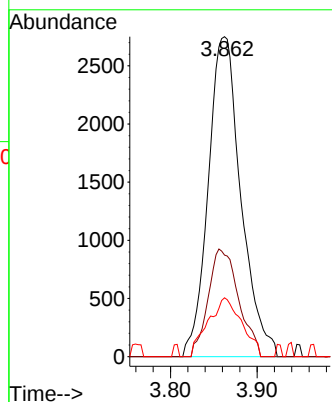
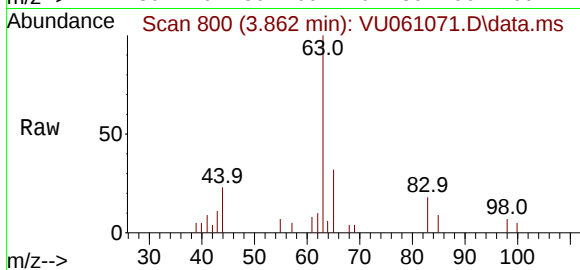
Tgt Ion: 63 Resp: 7210

Ion Ratio Lower Upper

63 100

65 31.7 23.0 42.8

83 18.4 9.0 16.6#



#22

cis-1,2-Dichloroethene

Concen: 1.452 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.000 min

Lab File: VU061071.D

Acq: 02 Oct 2024 13:12

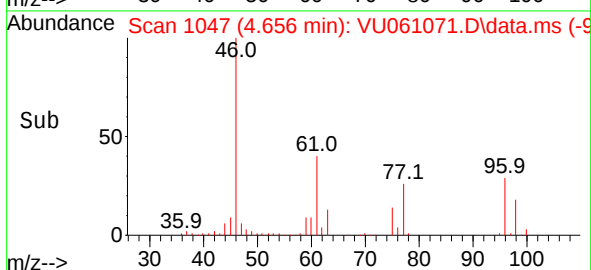
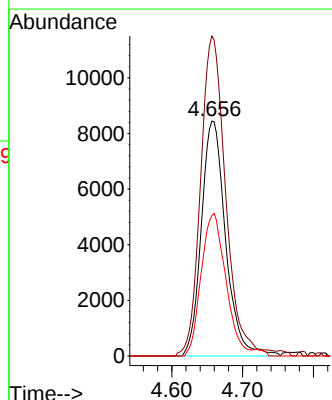
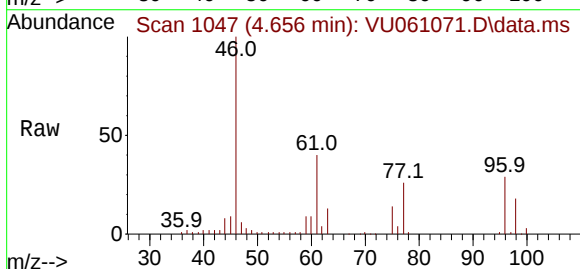
Tgt Ion: 96 Resp: 20132

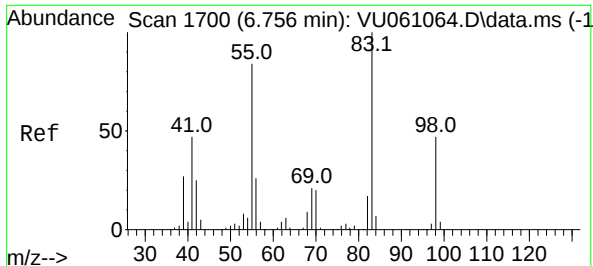
Ion Ratio Lower Upper

96 100

61 136.2 89.7 166.5

98 59.7 45.1 83.9





#35

Methylcyclohexane

Concen: 0.671 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU061071.D

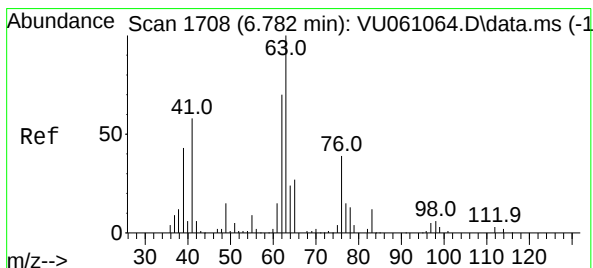
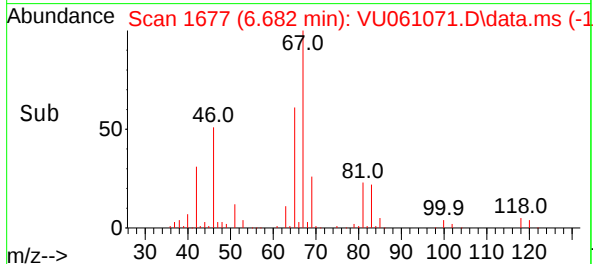
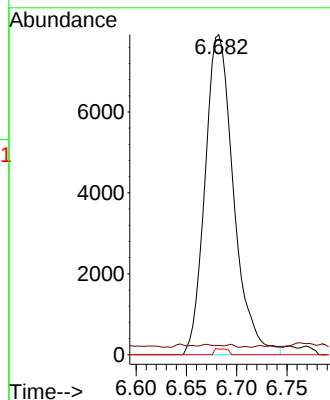
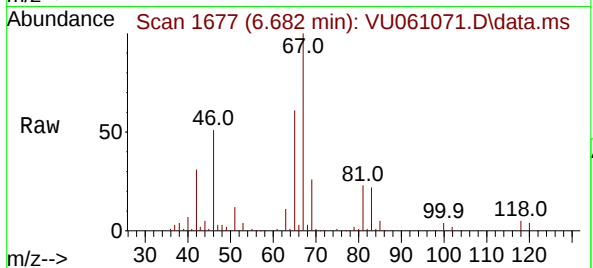
Acq: 02 Oct 2024 13:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	15654
Ion Ratio	Lower	Upper	
83	100		
55	0.3	62.6	94.0#
98	0.8	37.6	56.4#



#37

1,2-Dichloropropane

Concen: 0.560 ug/L

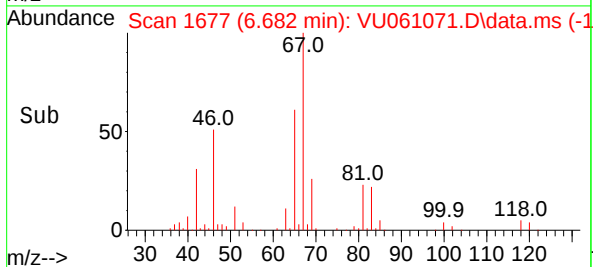
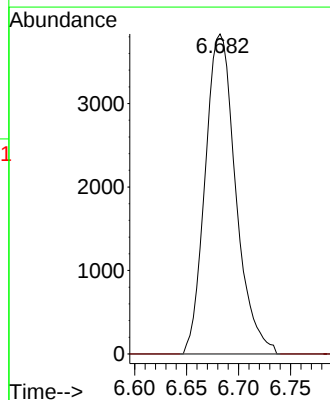
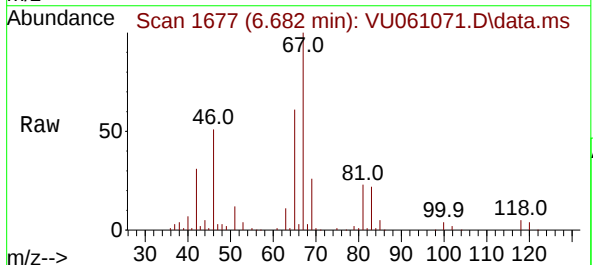
RT: 6.682 min Scan# 1677

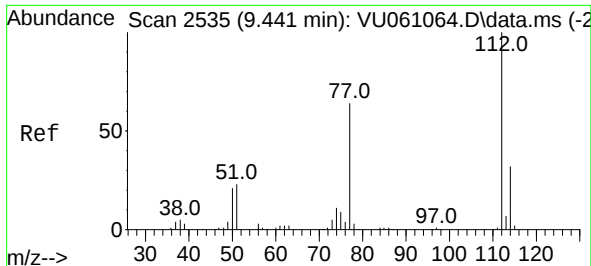
Delta R.T. -0.100 min

Lab File: VU061071.D

Acq: 02 Oct 2024 13:12

Tgt Ion:	63	Resp:	7861
Ion Ratio	Lower	Upper	
63	100		
112	0.0	2.0	3.0#





#51

Chlorobenzene

Concen: 0.645 ug/L

RT: 9.441 min Scan# 2

Delta R.T. -0.000 min

Lab File: VU061071.D

Acq: 02 Oct 2024 13:12

Instrument :

MSVOA_U

ClientSampleId :

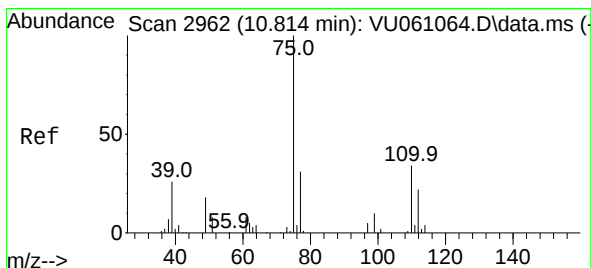
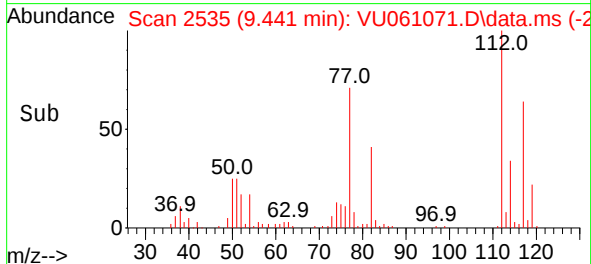
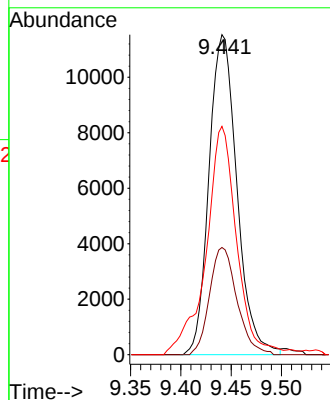
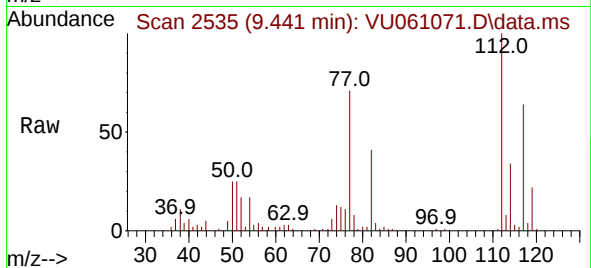
Tgt Ion:112 Resp: 22289

Ion Ratio Lower Upper

112 100

114 33.5 22.2 41.2

77 71.4 46.1 69.1#



#61

1,2,3-Trichloropropane

Concen: 1.239 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.926 min

Lab File: VU061071.D

Acq: 02 Oct 2024 13:12

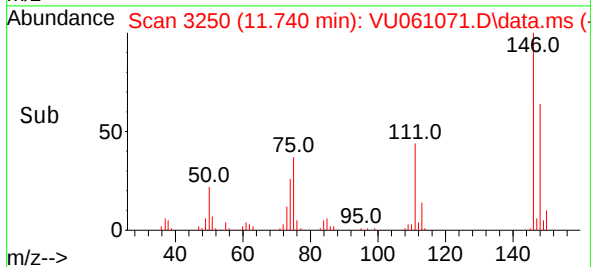
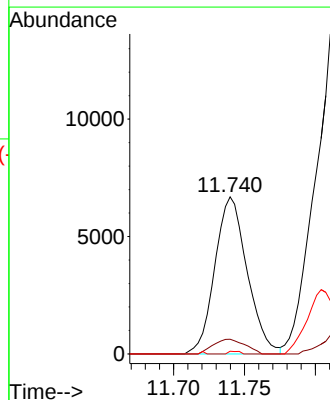
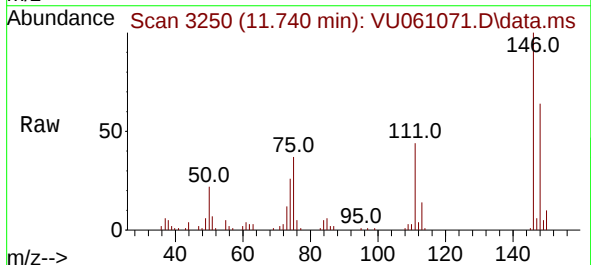
Tgt Ion: 75 Resp: 10615

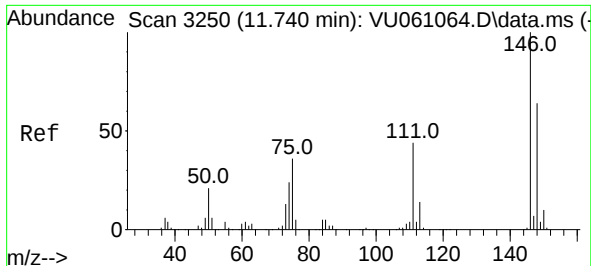
Ion Ratio Lower Upper

75 100

110 9.2 28.6 43.0#

77 0.0 26.3 39.5#





#64

1,3-Dichlorobenzene

Concen: 1.182 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. -0.000 min

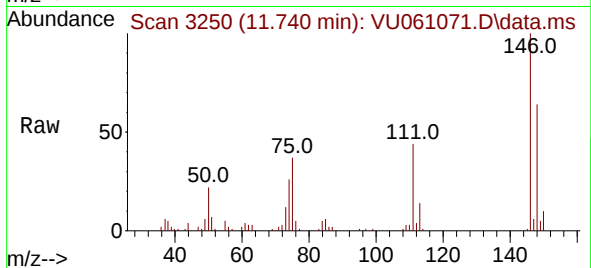
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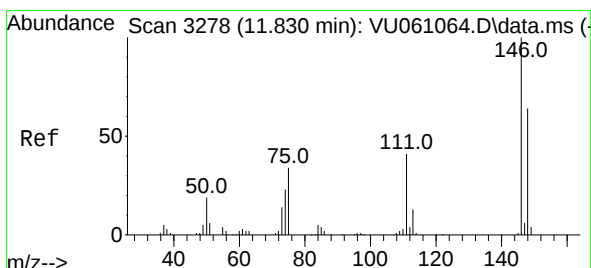
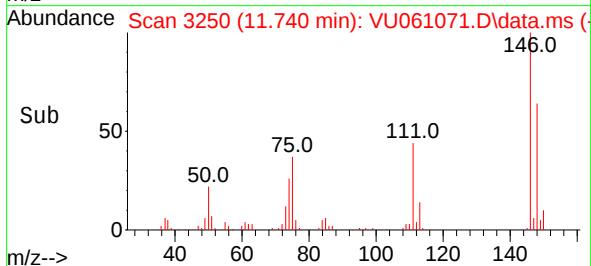
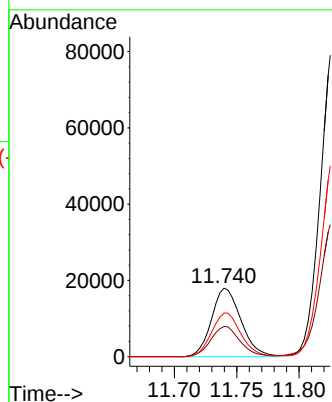
Tgt Ion:146 Resp: 29556

Ion Ratio Lower Upper

146 100

111 44.1 27.5 51.1

148 63.8 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 5.763 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU061071.D

Acq: 02 Oct 2024 13:12

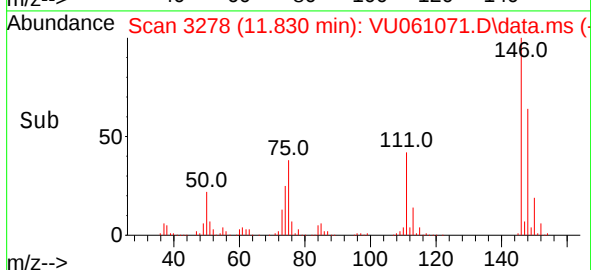
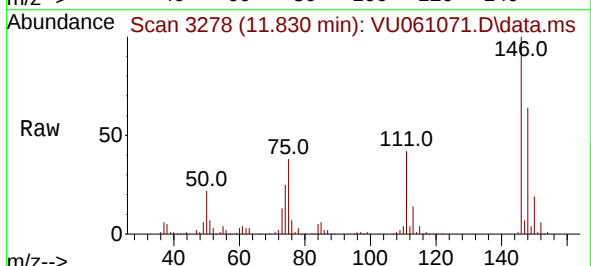
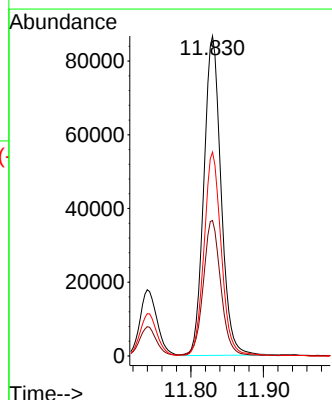
Tgt Ion:146 Resp: 142458

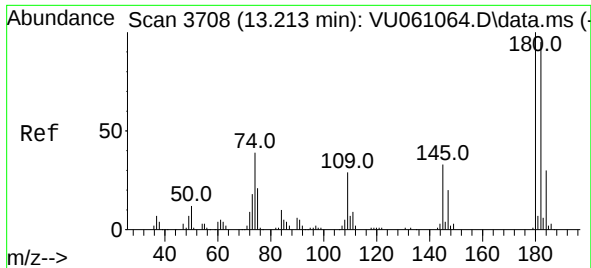
Ion Ratio Lower Upper

146 100

111 42.3 26.3 48.9

148 63.7 45.3 84.1





#69

1,3,5-Trichlorobenzene

Concen: 0.880 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.627 min

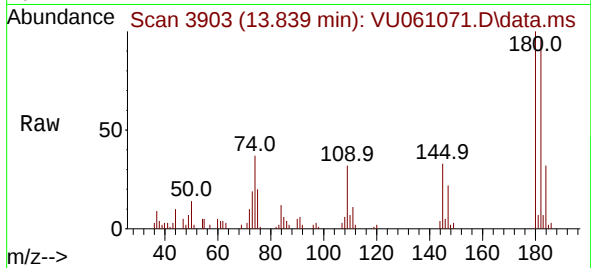
Lab File: VU061071.D

Acq: 02 Oct 2024 13:12

Instrument :

MSVOA_U

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Tgt Ion:180 Resp: 15487

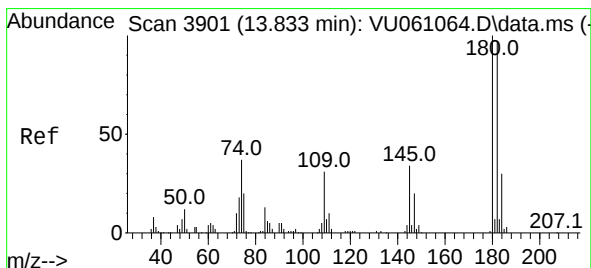
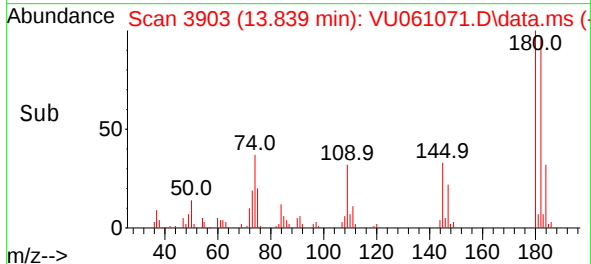
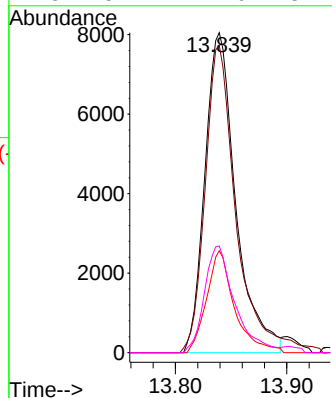
Ion Ratio Lower Upper

180 100

182 97.0 74.5 111.7

184 28.8 23.2 34.8

145 32.7 21.6 32.4#



#70

1,2,4-trichlorobenzene

Concen: 1.148 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.006 min

Lab File: VU061071.D

Acq: 02 Oct 2024 13:12

Tgt Ion:180 Resp: 15487

Ion Ratio Lower Upper

180 100

182 97.0 77.4 116.2

145 32.7 22.9 34.3

