

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011625\
 Data File : VU062813.D
 Acq On : 16 Jan 2025 12:34
 Operator : MD/SY
 Sample : Q1071-18
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 22:05:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 16 22:02:47 2025
 Response via : Initial Calibration

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

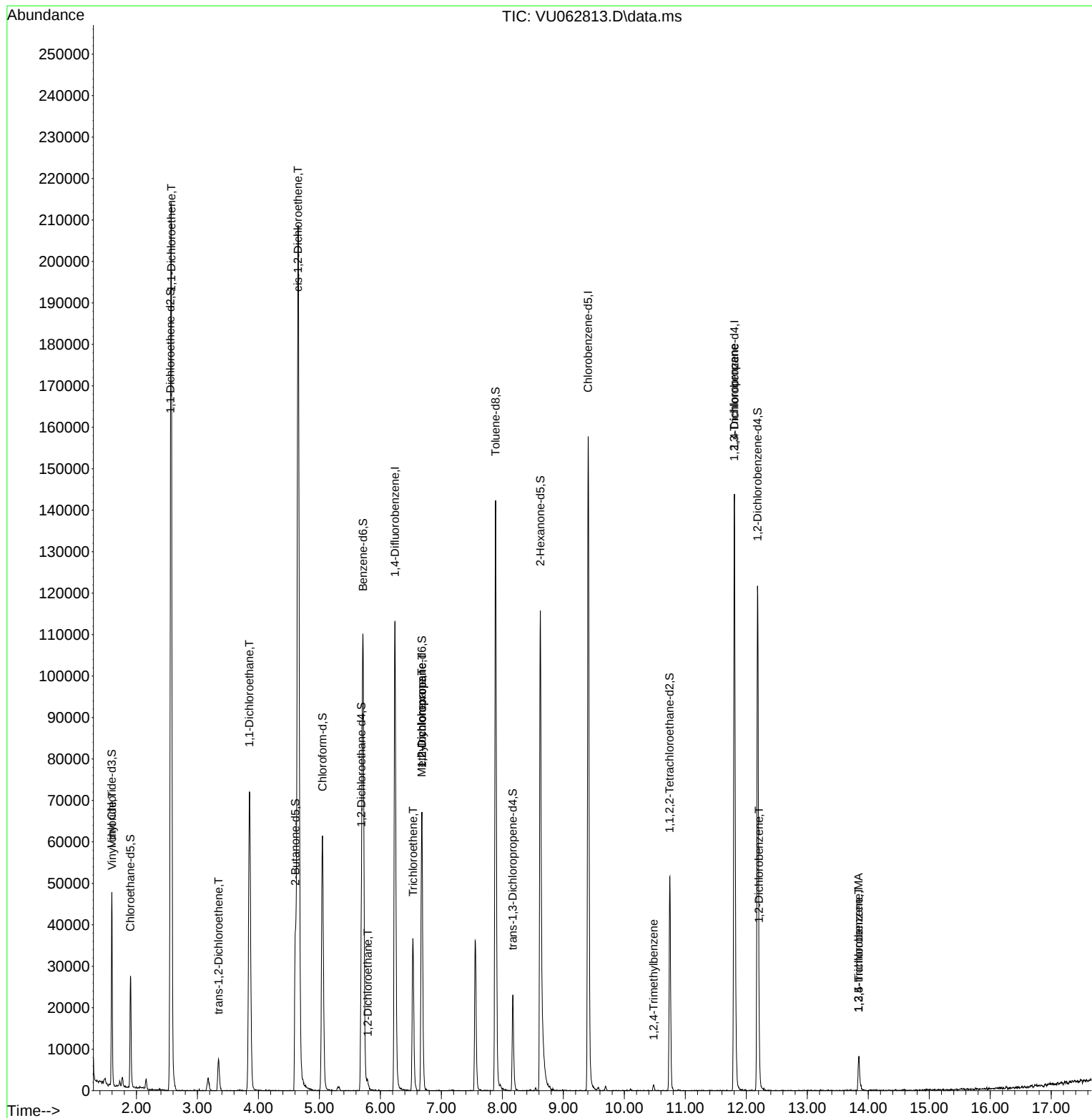
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	96044	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	90131	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	42427	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	22830	4.292	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.800%
7) Chloroethane-d5	1.901	69	19804	4.628	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.600%
11) 1,1-Dichloroethene-d2	2.557	65	12284	4.458	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.200%
20) 2-Butanone-d5	4.605	46	53528	49.236	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.480%
24) Chloroform-d	5.049	84	60490	4.622	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.689	65	34653	4.882	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.714	84	104863	4.760	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	6.679	67	29176	4.776	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.888	98	96660	4.503	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	8.171	79	14509	4.765	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.200%
46) 2-Hexanone-d5	8.621	63	43300	45.214	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.420%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	24638	4.816	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.184	152	35083	4.970	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	1446	0.209	ug/L #	71
12) 1,1-Dichloroethene	2.570	96	62080	10.412	ug/L #	83
18) trans-1,2-Dichloroethene	3.345	96	3441	0.539	ug/L	92
19) 1,1-Dichloroethane	3.853	63	79306	6.944	ug/L	96
22) cis-1,2-Dichloroethene	4.650	96	114497	16.460	ug/L	99
27) 1,2-Dichloroethane	5.792	62	1963	0.214	ug/L #	79
34) Trichloroethene	6.534	95	13110	1.482	ug/L	95
35) Methylcyclohexane	6.676	83	8236	0.757	ug/L #	24
37) 1,2-Dichloropropane	6.679	63	4266	0.698	ug/L #	85
61) 1,2,3-Trichloropropane	11.801	75	4698	1.248	ug/L #	64
63) 1,2,4-Trimethylbenzene	10.479	105	1463	0.061	ug/L #	69
67) 1,2-Dichlorobenzene	12.206	146	1681	0.132	ug/L	93
69) 1,3,5-Trichlorobenzene	13.843	180	4168	0.408	ug/L	95
70) 1,2,4-trichlorobenzene	13.843	180	4168	0.507	ug/L	93

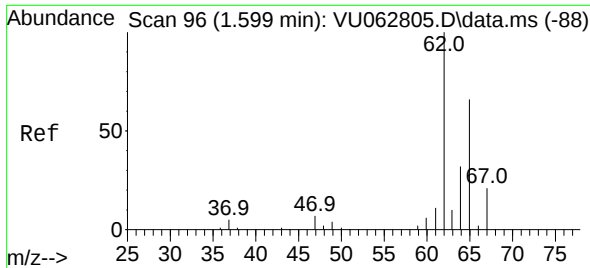
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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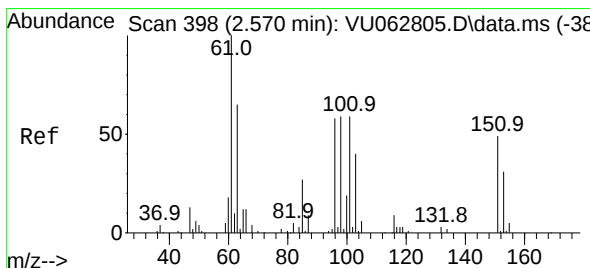
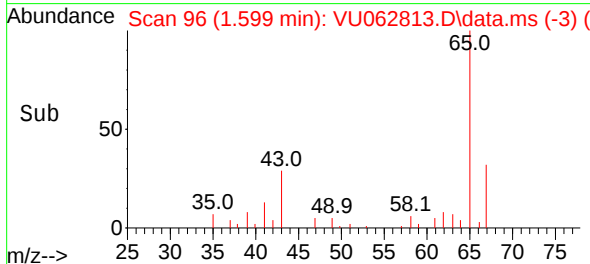
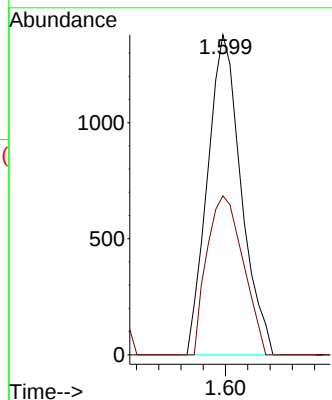
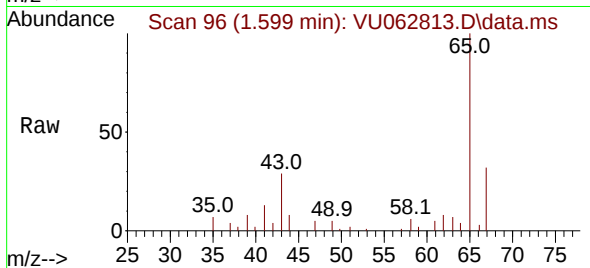




#5
 Vinyl chloride
 Concen: 0.209 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU062813.D
 Acq: 16 Jan 2025 12:34

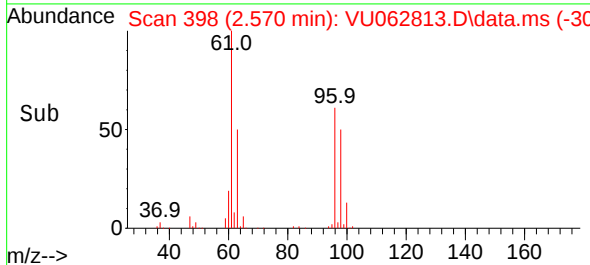
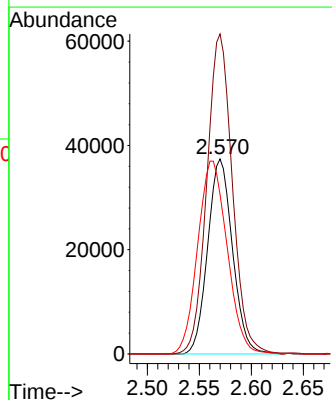
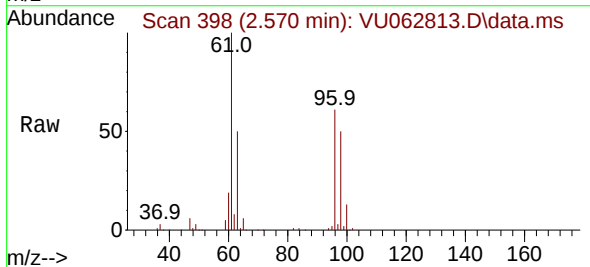
Instrument :
 MSVOA_U
 ClientSampleId :

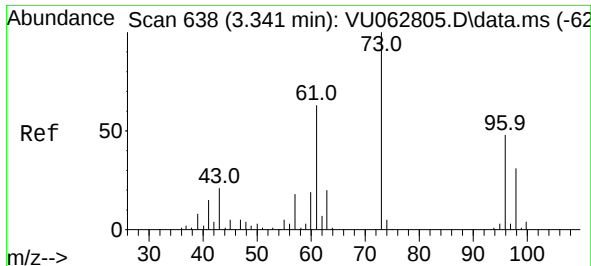
Tgt Ion: 62 Resp: 1446
 Ion Ratio Lower Upper
 62 100
 64 49.7 23.4 43.4#



#12
 1,1-Dichloroethene
 Concen: 10.412 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. 0.000 min
 Lab File: VU062813.D
 Acq: 16 Jan 2025 12:34

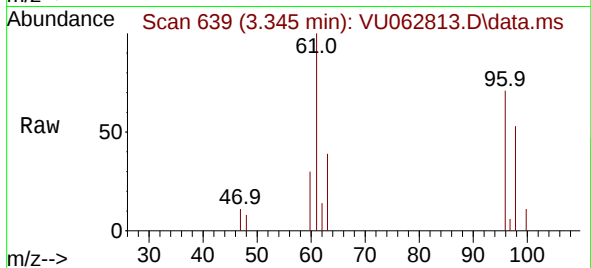
Tgt Ion: 96 Resp: 62080
 Ion Ratio Lower Upper
 96 100
 61 164.0 120.4 223.6
 63 81.6 82.3 152.9#



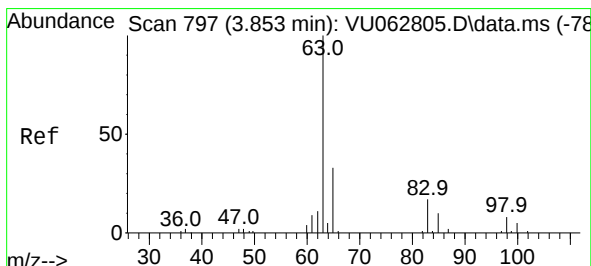
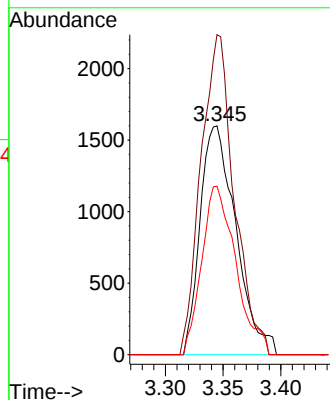
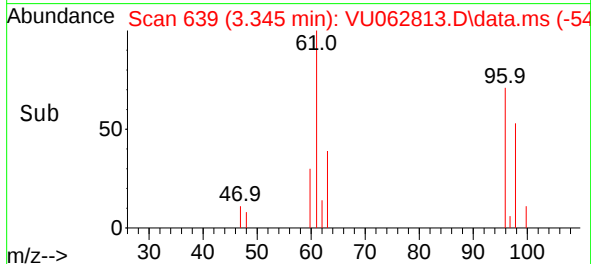


#18
trans-1,2-Dichloroethene
Concen: 0.539 ug/L
RT: 3.345 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU062813.D
Acq: 16 Jan 2025 12:34

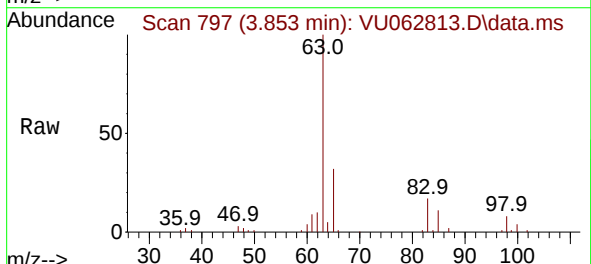
Instrument :
MSVOA_U
ClientSampleId :



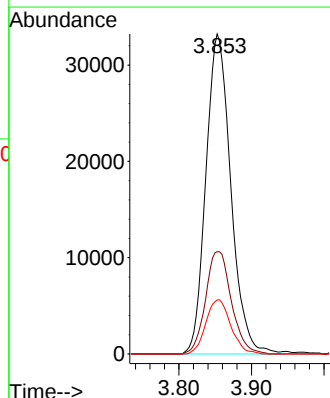
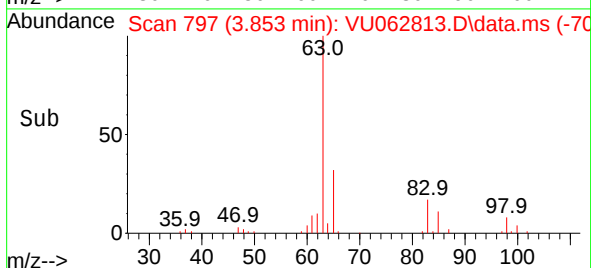
Tgt Ion: 96 Resp: 3441
Ion Ratio Lower Upper
96 100
61 139.9 94.4 175.2
98 73.7 42.8 79.4

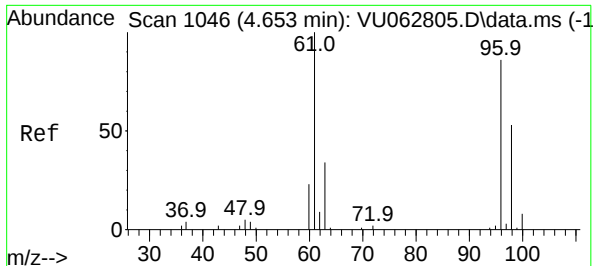


#19
1,1-Dichloroethane
Concen: 6.944 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU062813.D
Acq: 16 Jan 2025 12:34



Tgt Ion: 63 Resp: 79306
Ion Ratio Lower Upper
63 100
65 32.0 20.7 38.5
83 16.9 10.5 19.5





#22

cis-1,2-Dichloroethene

Concen: 16.460 ug/L

RT: 4.650 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU062813.D

Acq: 16 Jan 2025 12:34

Instrument :

MSVOA_U

ClientSampleId :

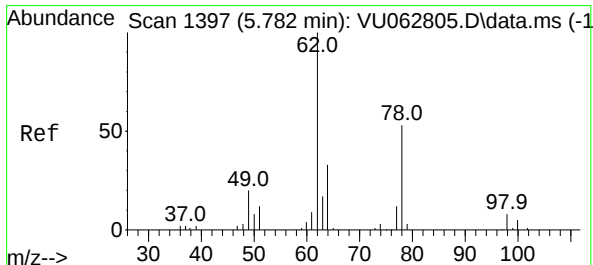
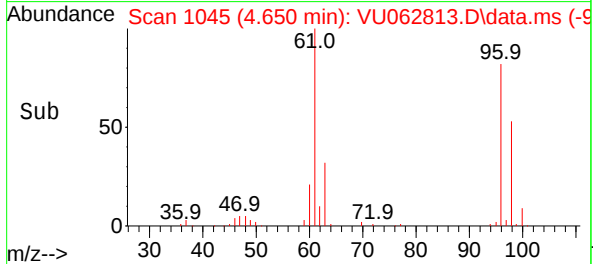
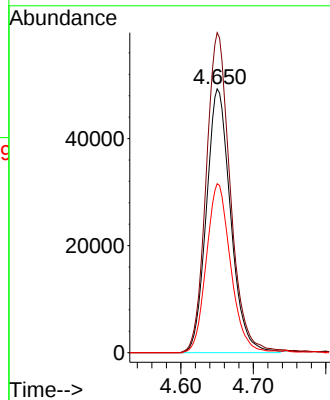
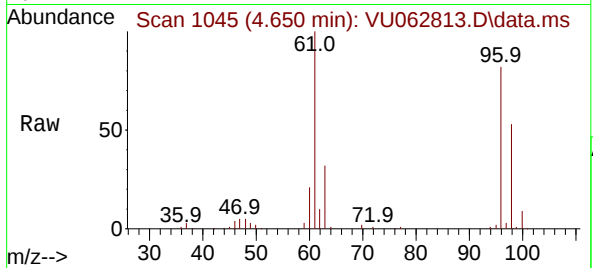
Tgt Ion: 96 Resp: 114497

Ion Ratio Lower Upper

96 100

61 121.3 84.8 157.6

98 64.1 43.1 80.1



#27

1,2-Dichloroethane

Concen: 0.214 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.010 min

Lab File: VU062813.D

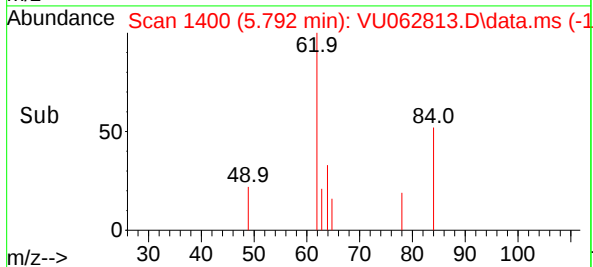
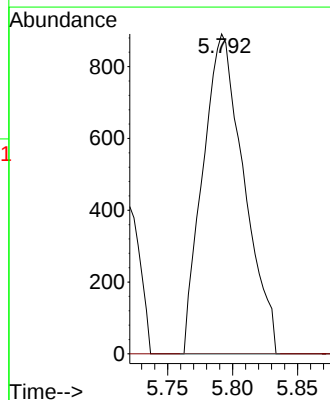
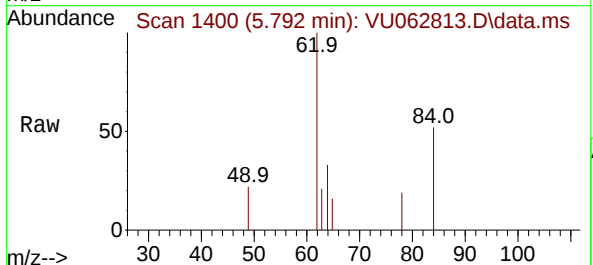
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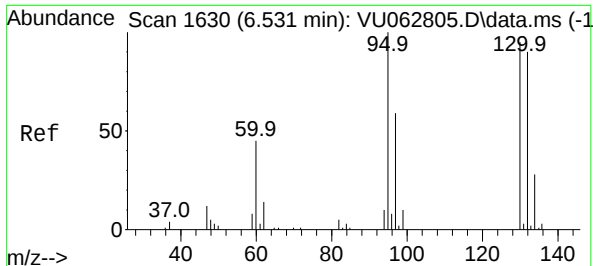
Tgt Ion: 62 Resp: 1963

Ion Ratio Lower Upper

62 100

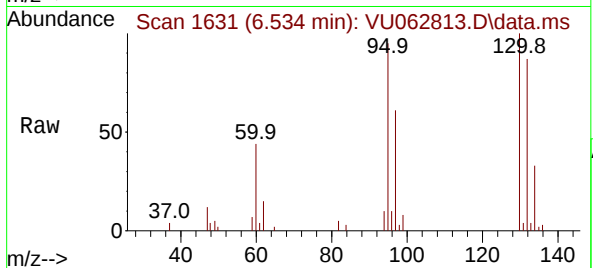
98 0.0 5.8 8.6#



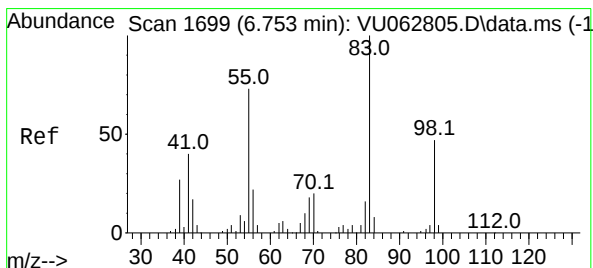
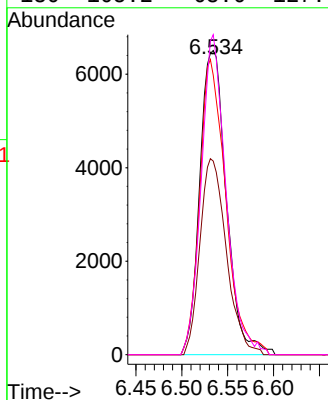
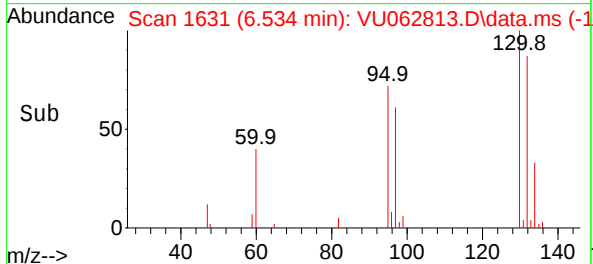


#34
Trichloroethene
Concen: 1.482 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.003 min
Lab File: VU062813.D
Acq: 16 Jan 2025 12:34

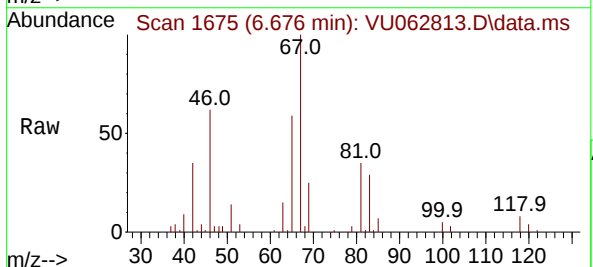
Instrument :
MSVOA_U
ClientSampleId :



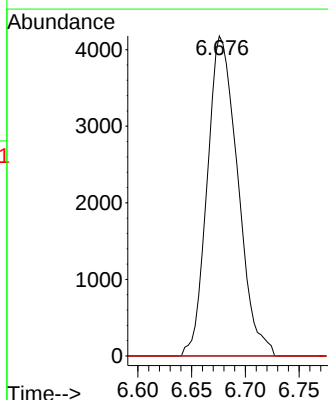
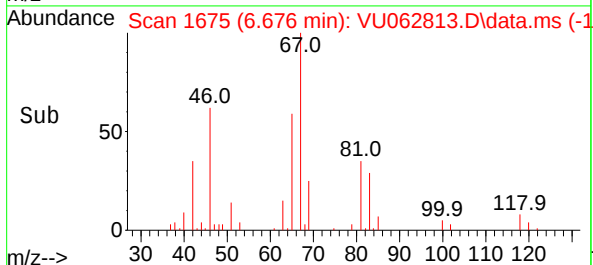
Tgt Ion: 95 Resp: 13110
Ion Ratio Lower Upper
95 100
97 63.7 47.5 88.3
132 91.9 66.9 124.3
130 105.2 68.6 127.4

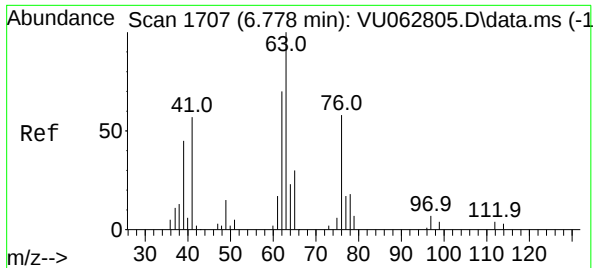


#35
Methylcyclohexane
Concen: 0.757 ug/L
RT: 6.676 min Scan# 1675
Delta R.T. -0.077 min
Lab File: VU062813.D
Acq: 16 Jan 2025 12:34



Tgt Ion: 83 Resp: 8236
Ion Ratio Lower Upper
83 100
55 0.0 57.2 85.8#
98 6.9 36.6 55.0#

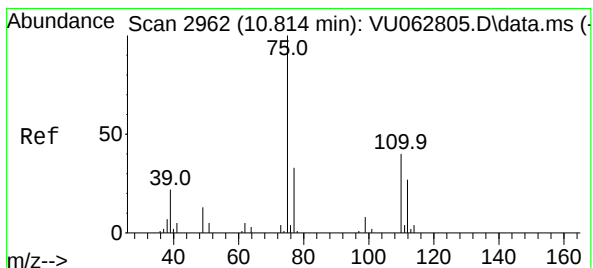
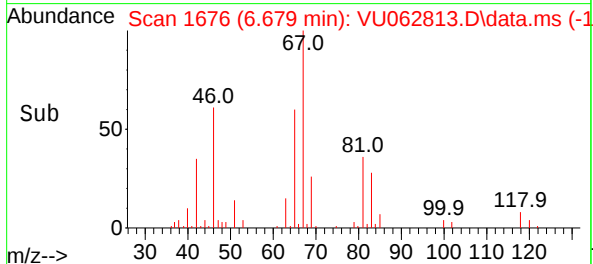
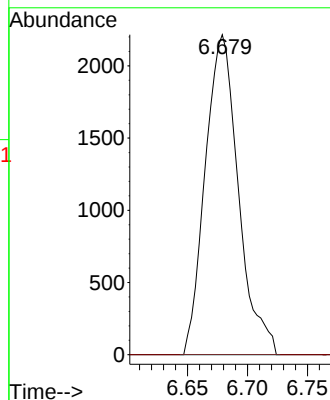
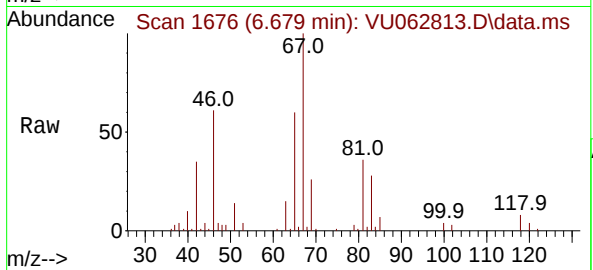




#37
1,2-Dichloropropane
Concen: 0.698 ug/L
RT: 6.679 min Scan# 1
Delta R.T. -0.099 min
Lab File: VU062813.D
Acq: 16 Jan 2025 12:34

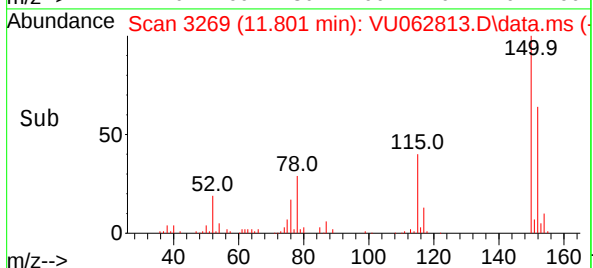
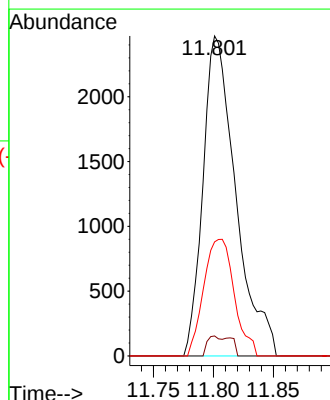
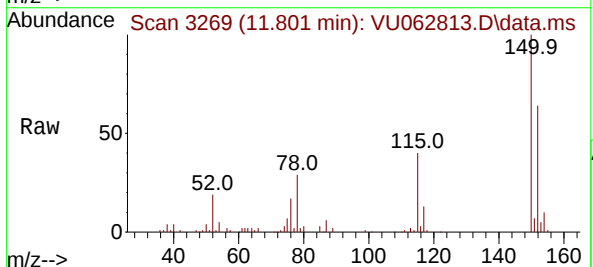
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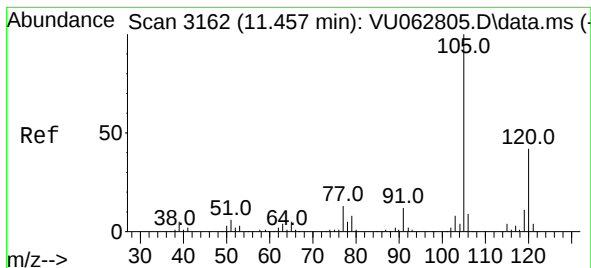
Tgt Ion: 63 Resp: 4266
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



#61
1,2,3-Trichloropropane
Concen: 1.248 ug/L
RT: 11.801 min Scan# 3269
Delta R.T. 0.987 min
Lab File: VU062813.D
Acq: 16 Jan 2025 12:34

Tgt Ion: 75 Resp: 4698
Ion Ratio Lower Upper
75 100
110 2.8 33.2 49.8#
77 33.9 25.9 38.9





#63

1,2,4-Trimethylbenzene

Concen: 0.061 ug/L

RT: 10.479 min Scan# 21

Delta R.T. -0.977 min

Lab File: VU062813.D

Acq: 16 Jan 2025 12:34

Instrument :

MSVOA_U

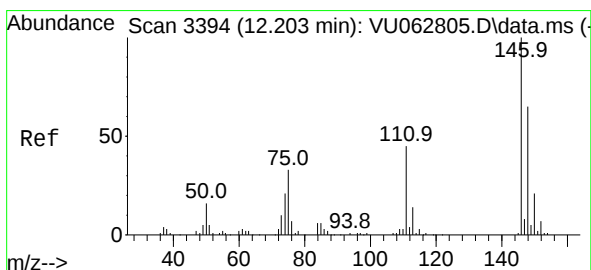
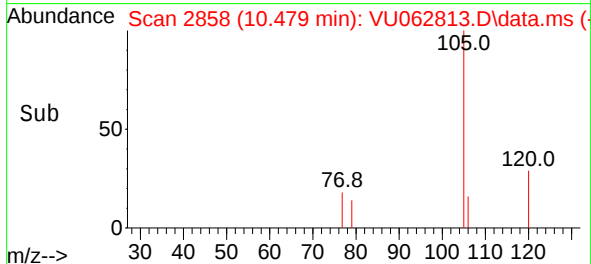
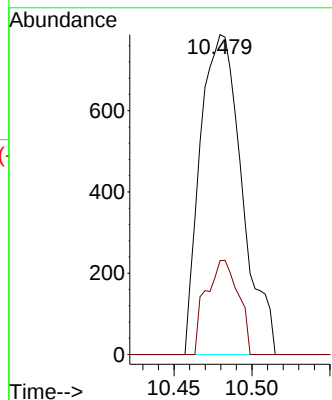
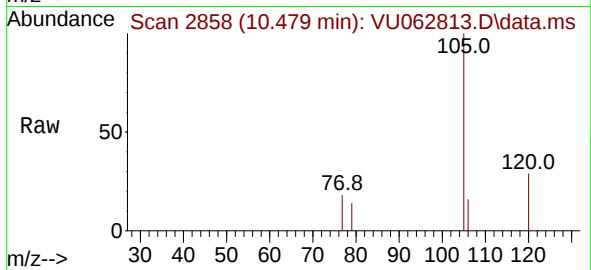
ClientSampleId :

Tgt Ion:105 Resp: 1463

Ion Ratio Lower Upper

105 100

120 22.8 34.2 51.2#



#67

1,2-Dichlorobenzene

Concen: 0.132 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU062813.D

Acq: 16 Jan 2025 12:34

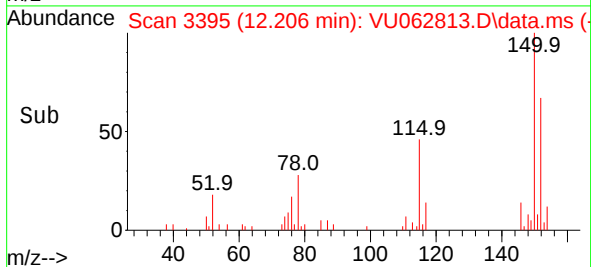
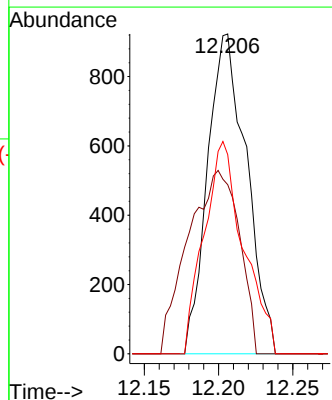
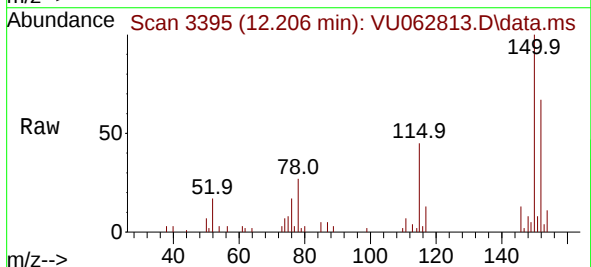
Tgt Ion:146 Resp: 1681

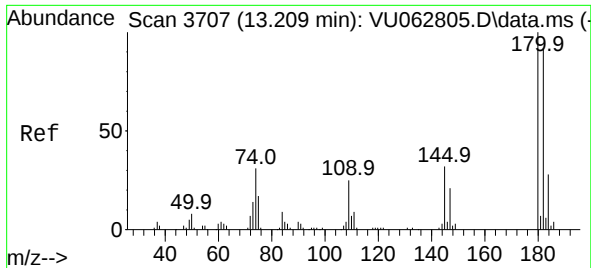
Ion Ratio Lower Upper

146 100

111 52.9 36.3 54.5

148 62.3 52.0 78.0





#69

1,3,5-Trichlorobenzene

Concen: 0.408 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.634 min

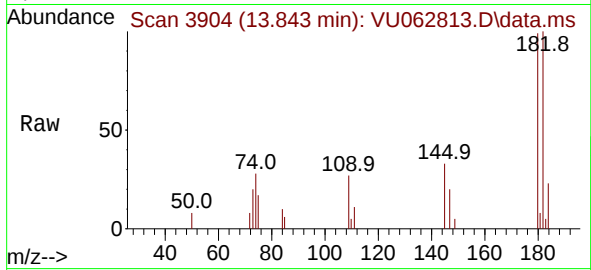
Lab File: VU062813.D

Acq: 16 Jan 2025 12:34

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 4168

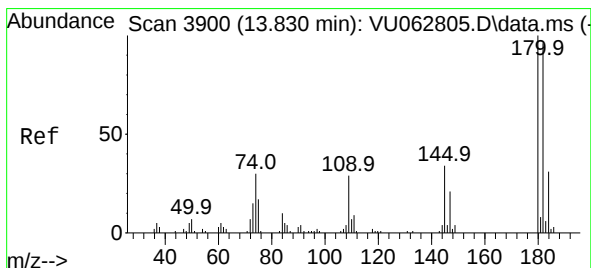
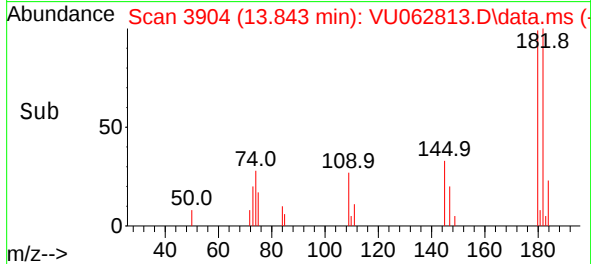
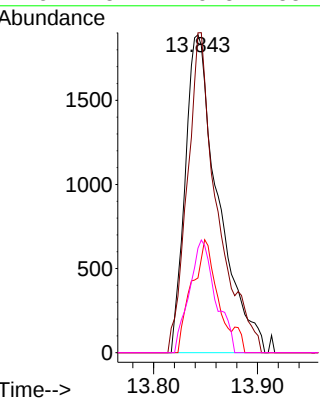
Ion Ratio Lower Upper

180 100

182 91.0 75.8 113.8

184 27.0 24.7 37.1

145 28.2 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 0.507 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.013 min

Lab File: VU062813.D

Acq: 16 Jan 2025 12:34

Tgt Ion:180 Resp: 4168

Ion Ratio Lower Upper

180 100

182 91.0 77.1 115.7

145 28.2 26.9 40.3

