

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011725\
 Data File : VU062880.D
 Acq On : 17 Jan 2025 18:39
 Operator : MD/SY
 Sample : Q1071-16DL 20X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 17 22:02:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 17 21:53:56 2025
 Response via : Initial Calibration

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

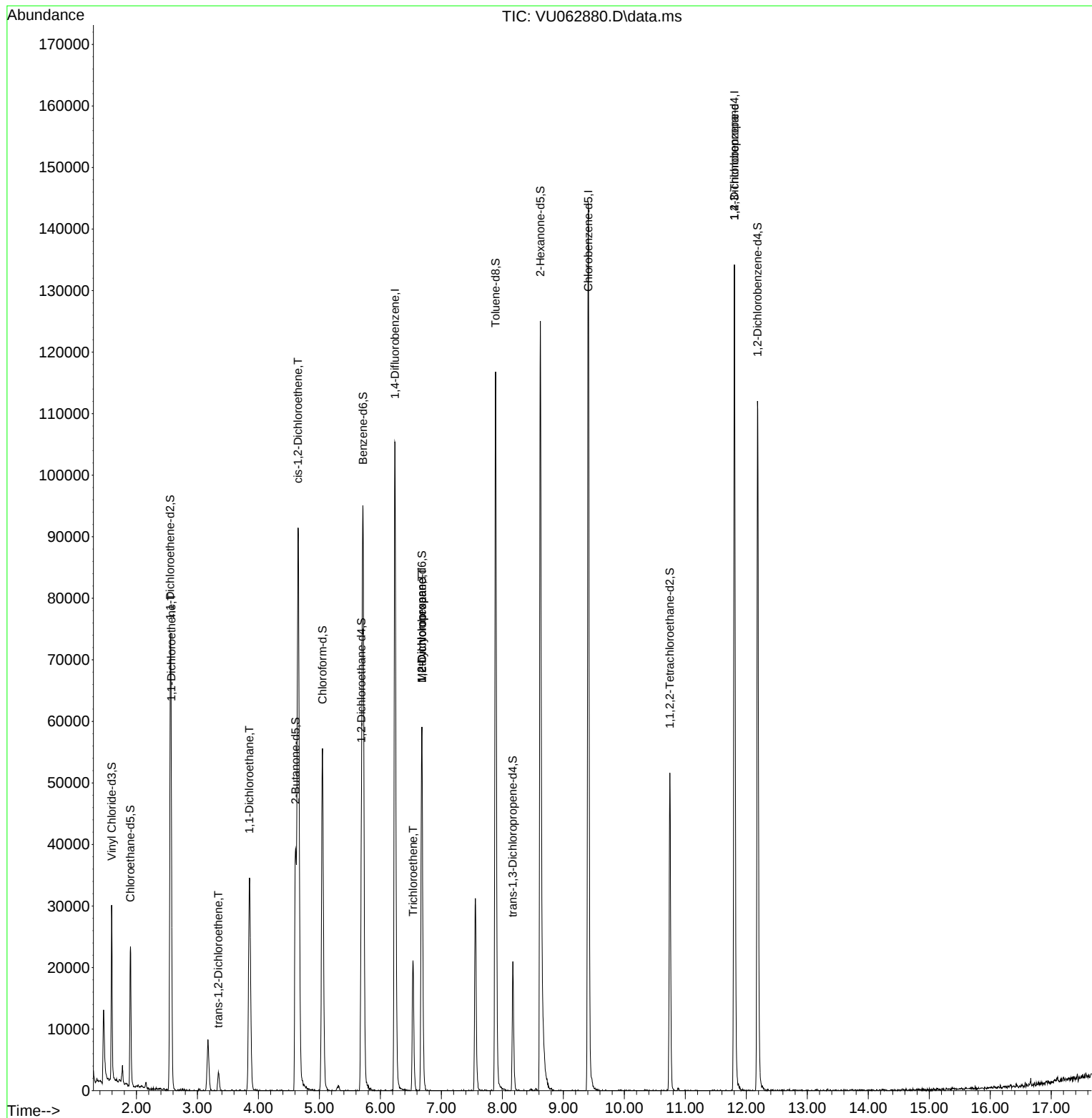
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	86662	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	81288	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	38070	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	18285	3.810	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	76.200%	
7) Chloroethane-d5	1.901	69	16881	4.372	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	87.400%	
11) 1,1-Dichloroethene-d2	2.554	65	9894	3.979	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	79.600%	
20) 2-Butanone-d5	4.608	46	54529	55.587	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	111.180%	
24) Chloroform-d	5.049	84	54204	4.590	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.800%	
26) 1,2-Dichloroethane-d4	5.689	65	33458	5.224	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	104.400%	
32) Benzene-d6	5.714	84	89356	4.497	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	90.000%	
36) 1,2-Dichloropropane-d6	6.679	67	25524	4.633	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	92.600%	
41) Toluene-d8	7.888	98	80231	4.144	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	82.800%	
43) trans-1,3-Dichloroprop...	8.171	79	12817	4.667	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	93.400%	
46) 2-Hexanone-d5	8.621	63	44646	51.691	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	103.380%	
56) 1,1,2,2-Tetrachloroeth...	10.746	84	23713	5.139	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	102.800%	
66) 1,2-Dichlorobenzene-d4	12.184	152	31943	5.043	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	100.800%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.570	96	12580	2.338	ug/L	83
18) trans-1,2-Dichloroethene	3.342	96	1316	0.228	ug/L	96
19) 1,1-Dichloroethane	3.853	63	38191	3.706	ug/L	94
22) cis-1,2-Dichloroethene	4.650	96	48774	7.771	ug/L	97
34) Trichloroethene	6.534	95	7498	0.940	ug/L	96
35) Methylcyclohexane	6.679	83	7226	0.736	ug/L #	21
37) 1,2-Dichloropropane	6.679	63	3304	0.600	ug/L #	85
61) 1,2,3-Trichloropropane	11.804	75	3702	1.096	ug/L #	62

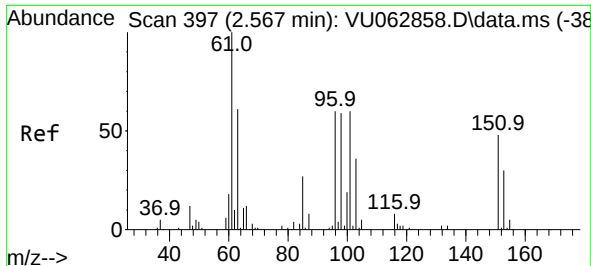
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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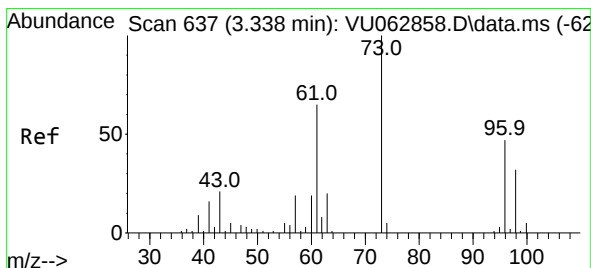
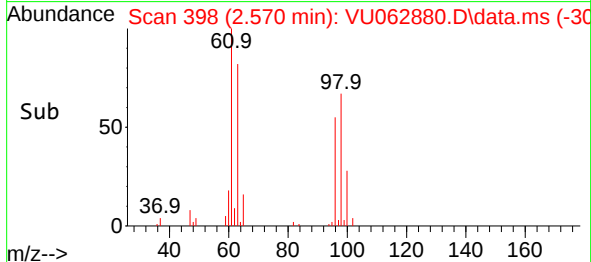
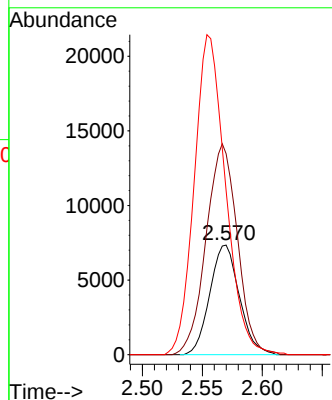
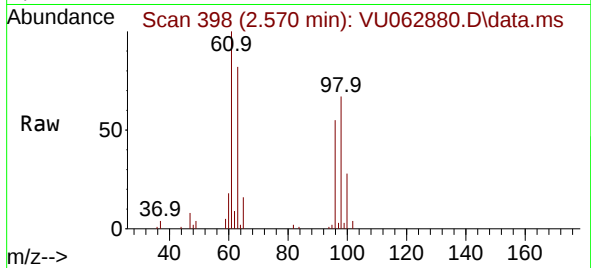




#12
1,1-Dichloroethene
Concen: 2.338 ug/L
RT: 2.570 min Scan# 397
Delta R.T. 0.003 min
Lab File: VU062880.D
Acq: 17 Jan 2025 18:39

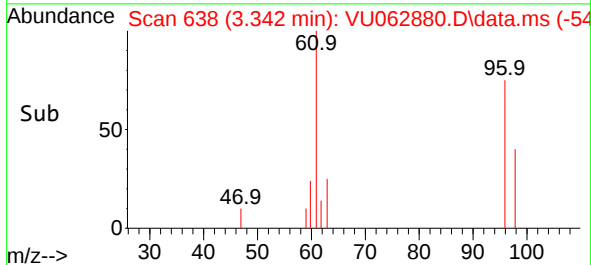
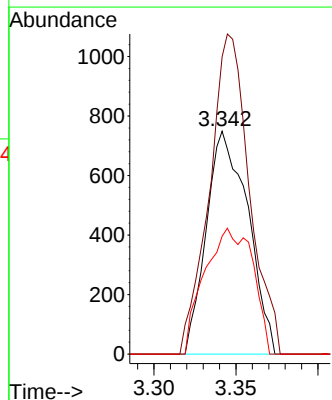
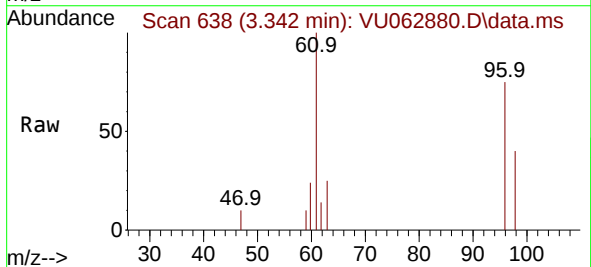
Instrument :
MSVOA_U
ClientSampleId :

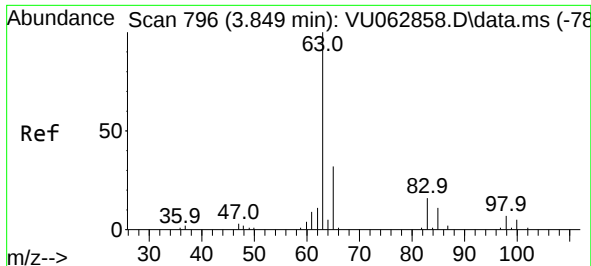
Tgt Ion: 96 Resp: 12580
Ion Ratio Lower Upper
96 100
61 183.3 120.4 223.6
63 149.5 82.3 152.9



#18
trans-1,2-Dichloroethene
Concen: 0.228 ug/L
RT: 3.342 min Scan# 638
Delta R.T. 0.003 min
Lab File: VU062880.D
Acq: 17 Jan 2025 18:39

Tgt Ion: 96 Resp: 1316
Ion Ratio Lower Upper
96 100
61 133.4 94.4 175.2
98 52.9 42.8 79.4





#19

1,1-Dichloroethane

Concen: 3.706 ug/L

RT: 3.853 min Scan# 796

Delta R.T. 0.003 min

Lab File: VU062880.D

Acq: 17 Jan 2025 18:39

Instrument :

MSVOA_U

ClientSampleId :

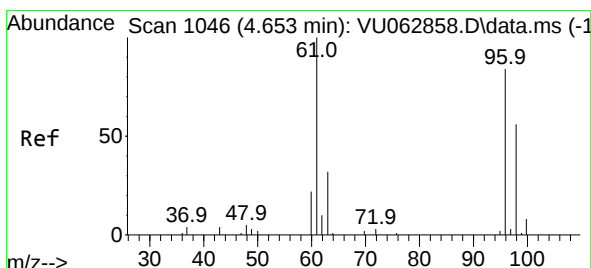
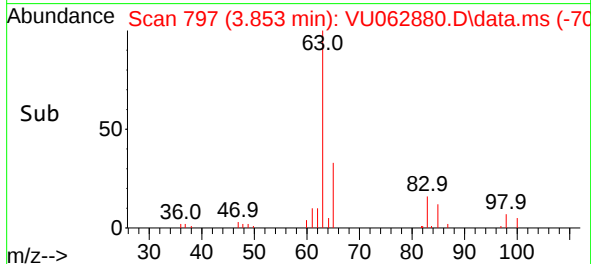
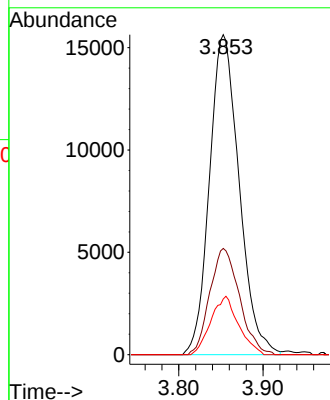
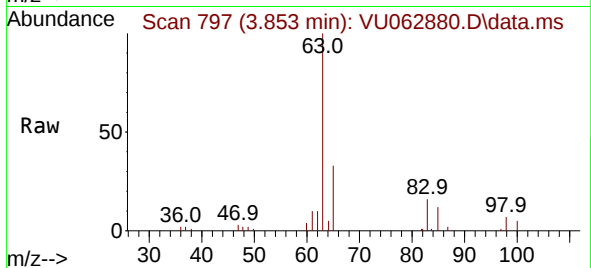
Tgt Ion: 63 Resp: 38191

Ion Ratio Lower Upper

63 100

65 33.2 20.7 38.5

83 17.4 10.5 19.5



#22

cis-1,2-Dichloroethene

Concen: 7.771 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.003 min

Lab File: VU062880.D

Acq: 17 Jan 2025 18:39

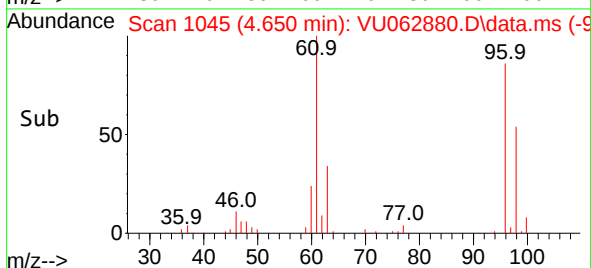
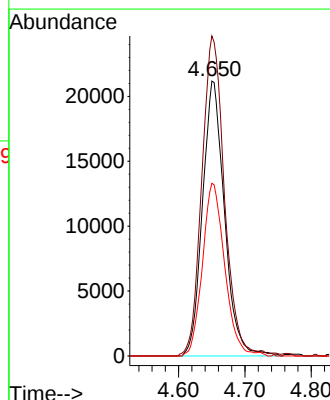
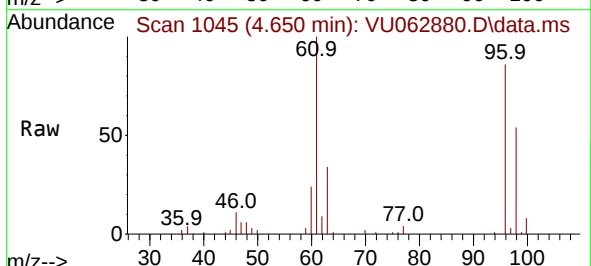
Tgt Ion: 96 Resp: 48774

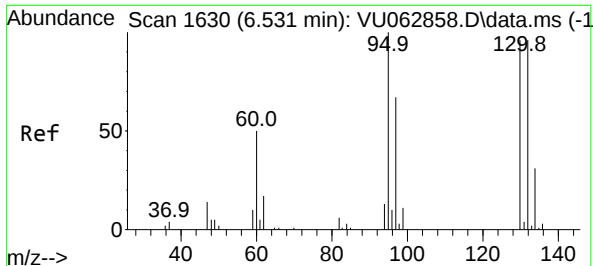
Ion Ratio Lower Upper

96 100

61 116.4 84.8 157.6

98 62.8 43.1 80.1





#34

Trichloroethene

Concen: 0.940 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU062880.D

Acq: 17 Jan 2025 18:39

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 7498

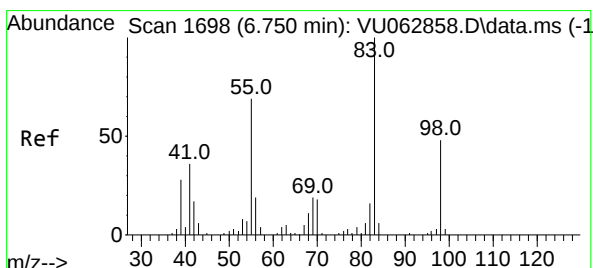
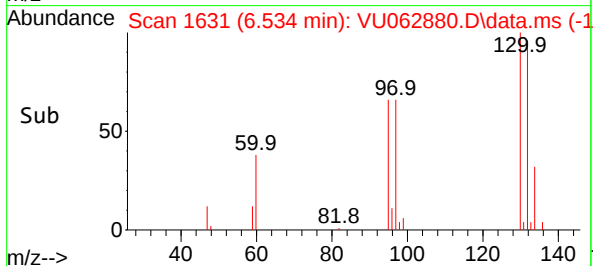
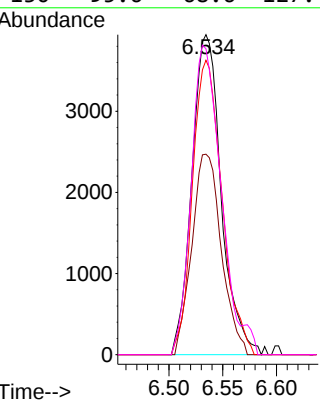
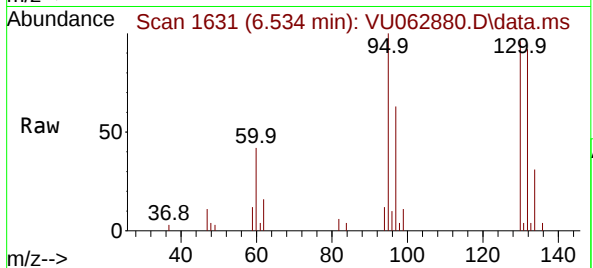
Ion Ratio Lower Upper

95 100

97 62.7 47.5 88.3

132 92.0 66.9 124.3

130 95.6 68.6 127.4



#35

Methylcyclohexane

Concen: 0.736 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.071 min

Lab File: VU062880.D

Acq: 17 Jan 2025 18:39

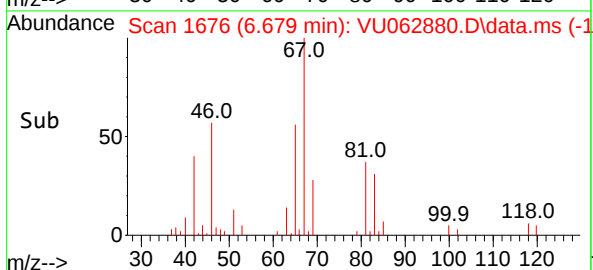
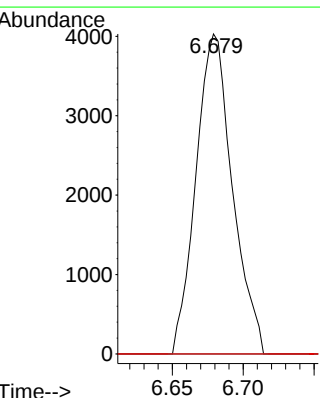
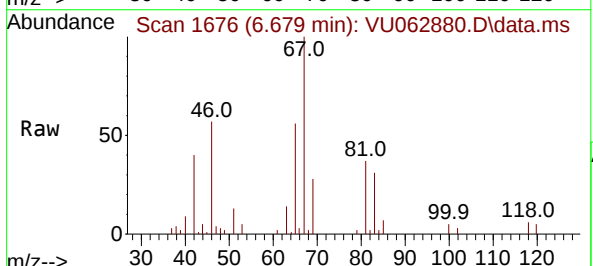
Tgt Ion: 83 Resp: 7226

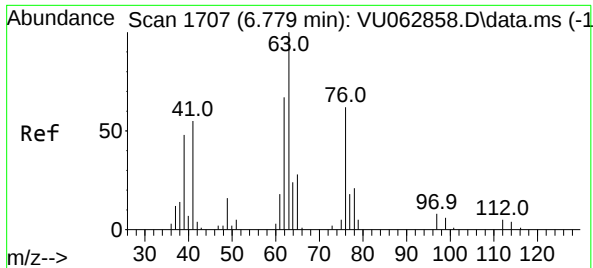
Ion Ratio Lower Upper

83 100

55 0.0 57.2 85.8#

98 0.4 36.6 55.0#

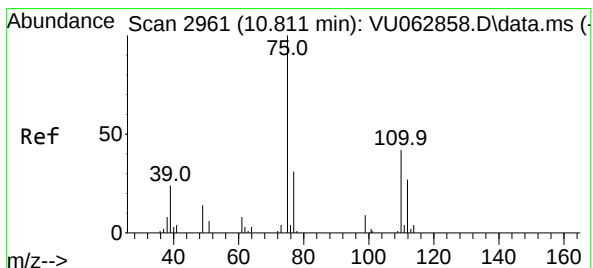
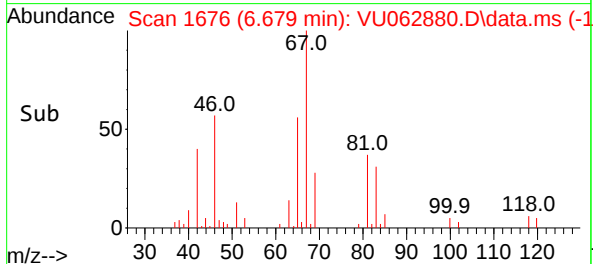
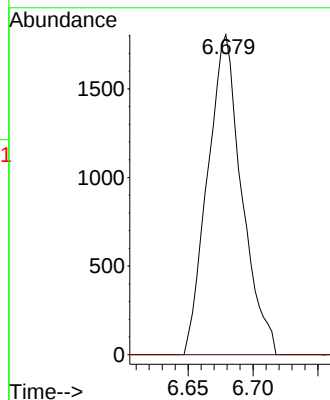
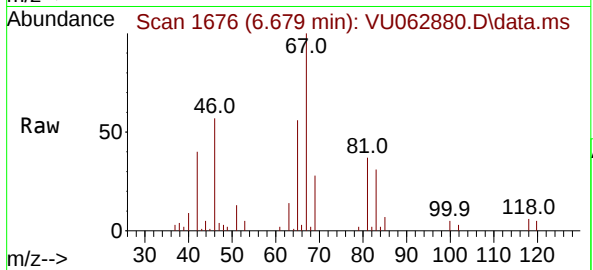




#37
1,2-Dichloropropane
Concen: 0.600 ug/L
RT: 6.679 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU062880.D
Acq: 17 Jan 2025 18:39

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 63 Resp: 3304
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



#61
1,2,3-Trichloropropane
Concen: 1.096 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.994 min
Lab File: VU062880.D
Acq: 17 Jan 2025 18:39

Tgt Ion: 75 Resp: 3702
Ion Ratio Lower Upper
75 100
110 3.4 33.2 49.8#
77 37.2 25.9 38.9

