

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011025\
 Data File : VU062681.D
 Acq On : 10 Jan 2025 13:59
 Operator : MD/SY
 Sample : Q1058-11
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 10 22:44:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 10 22:42:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	96531	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	90593	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	44556	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	22325	4.176	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.600%
7) Chloroethane-d5	1.904	69	19594	4.556	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	2.557	65	12056	4.353	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.000%
20) 2-Butanone-d5	4.605	46	57617	52.730	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.460%
24) Chloroform-d	5.049	84	62373	4.742	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	5.689	65	35734	5.009	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
32) Benzene-d6	5.714	84	106606	4.814	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.679	67	31277	5.094	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.888	98	101254	4.693	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
43) trans-1,3-Dichloroprop...	8.171	79	15604	5.098	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.000%
46) 2-Hexanone-d5	8.621	63	48921	50.823	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.640%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	26283	5.111	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	12.184	152	39275	5.298	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.000%

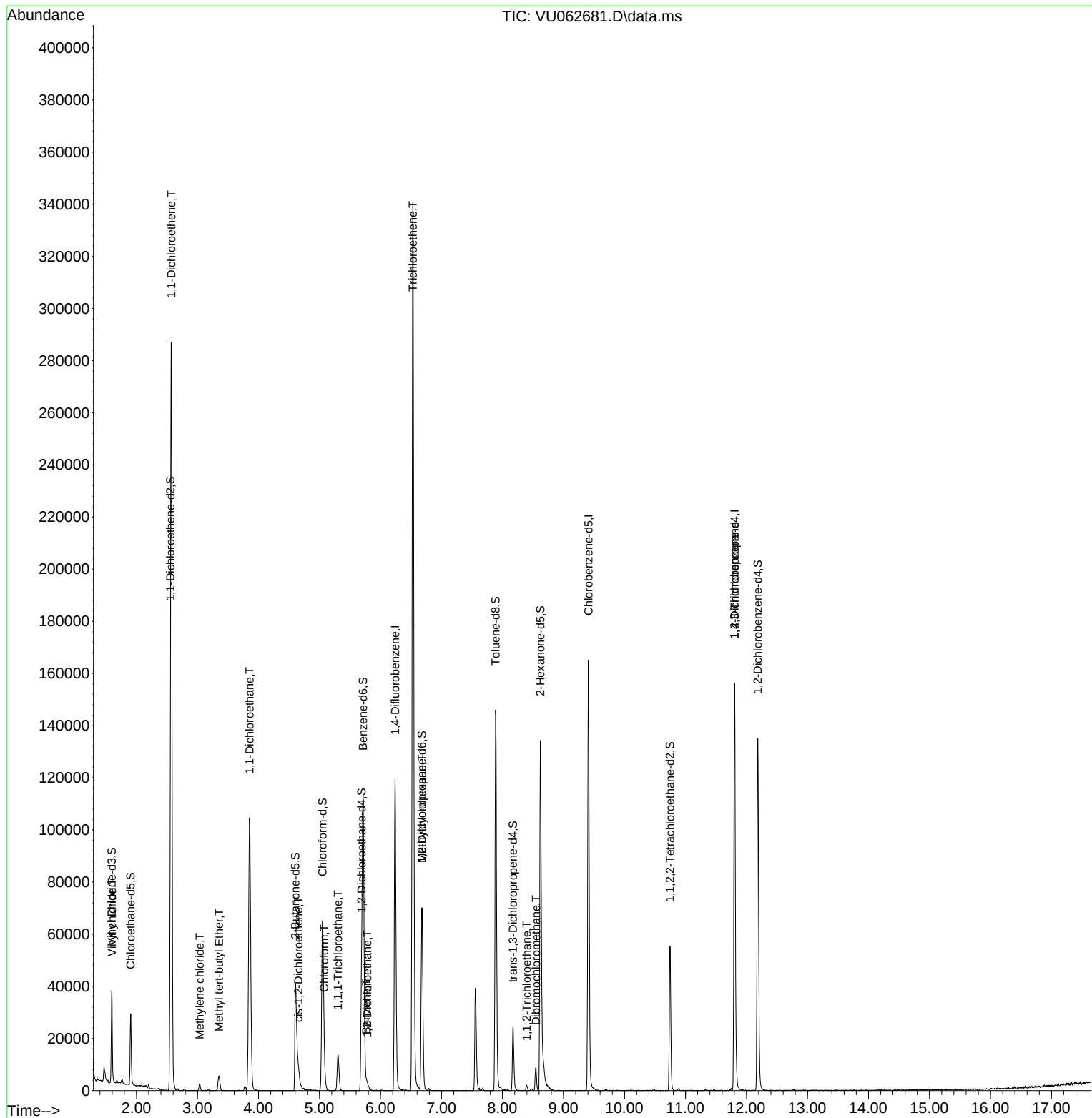
Target Compounds					Qvalue	
5) Vinyl chloride	1.599	62	3527	0.508	ug/L #	72
12) 1,1-Dichloroethene	2.570	96	87506	14.603	ug/L #	81
16) Methylene chloride	3.036	84	1280	0.195	ug/L	88
17) Methyl tert-butyl Ether	3.354	73	7075	0.430	ug/L	97
19) 1,1-Dichloroethane	3.853	63	110932	9.664	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	2651	0.379	ug/L	96
25) Chloroform	5.078	83	6931	0.491	ug/L	99
27) 1,2-Dichloroethane	5.785	62	1488	0.161	ug/L #	79
29) 1,1,1-Trichloroethane	5.303	97	11052	0.804	ug/L	98
33) Benzene	5.769	78	3227	0.124	ug/L	100
34) Trichloroethene	6.531	95	117926	13.263	ug/L	99
35) Methylcyclohexane	6.679	83	8413	0.769	ug/L #	20
45) 1,1,2-Trichloroethane	8.396	97	811	0.163	ug/L	86
49) Dibromochloromethane	8.550	129	2028	0.303	ug/L #	12
61) 1,2,3-Trichloropropane	11.804	75	4571	1.157	ug/L #	59

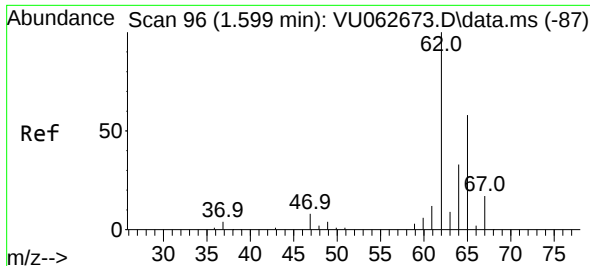
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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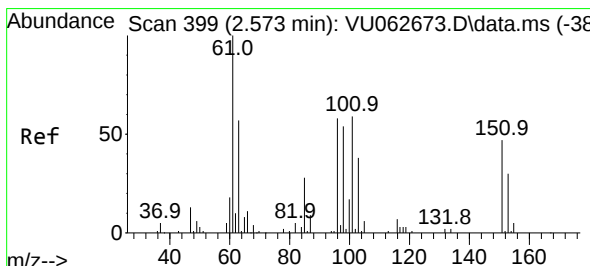
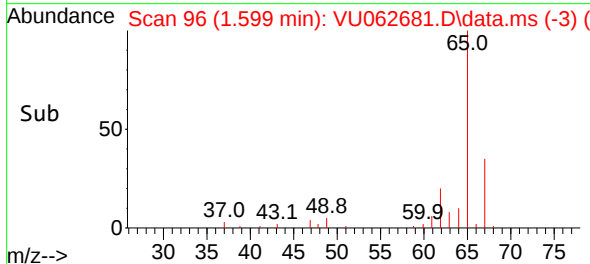
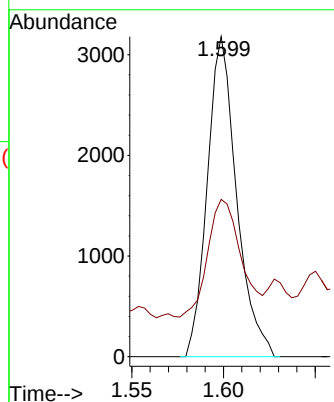
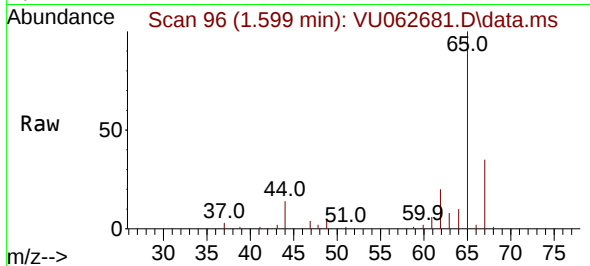




#5
 Vinyl chloride
 Concen: 0.508 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.000 min
 Lab File: VU062681.D
 Acq: 10 Jan 2025 13:59

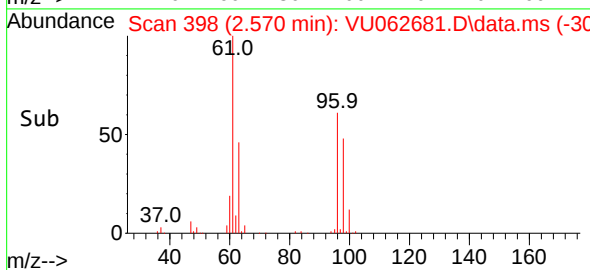
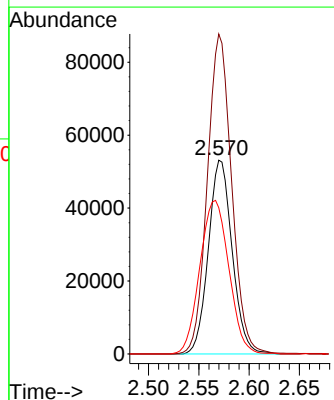
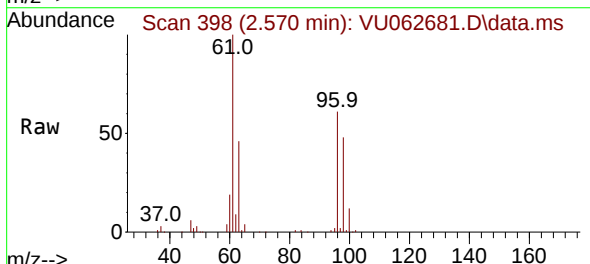
Instrument :
 MSVOA_U
 ClientSampleId :

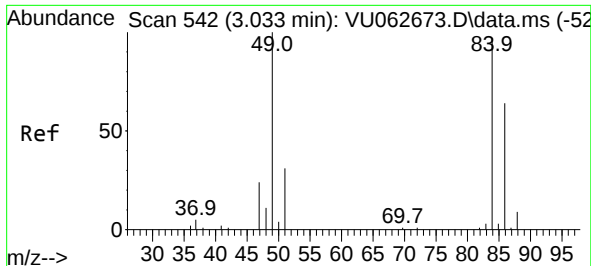
Tgt Ion: 62 Resp: 3527
 Ion Ratio Lower Upper
 62 100
 64 49.1 23.4 43.4#



#12
 1,1-Dichloroethene
 Concen: 14.603 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.003 min
 Lab File: VU062681.D
 Acq: 10 Jan 2025 13:59

Tgt Ion: 96 Resp: 87506
 Ion Ratio Lower Upper
 96 100
 61 165.1 120.4 223.6
 63 75.4 82.3 152.9#

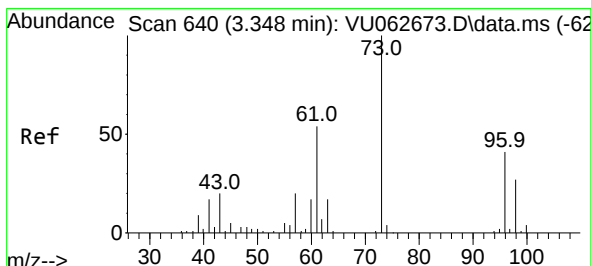
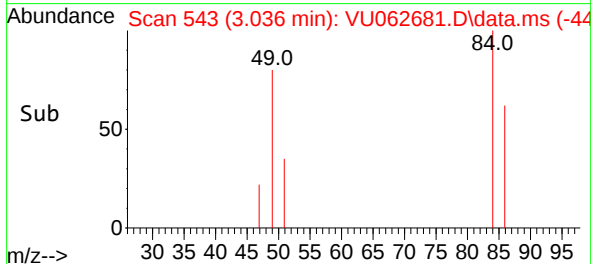
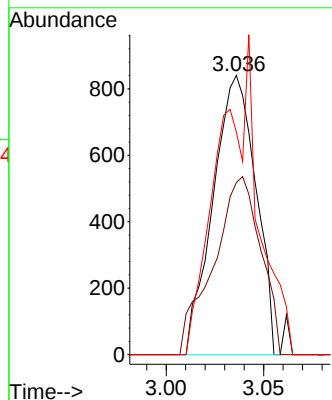
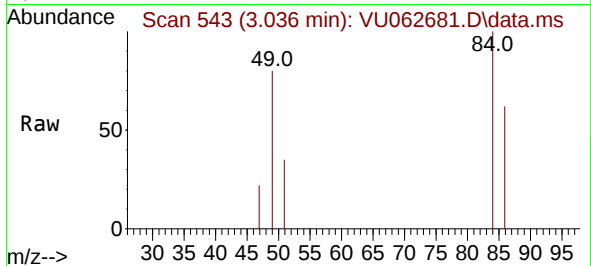




#16
Methylene chloride
Concen: 0.195 ug/L
RT: 3.036 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU062681.D
Acq: 10 Jan 2025 13:59

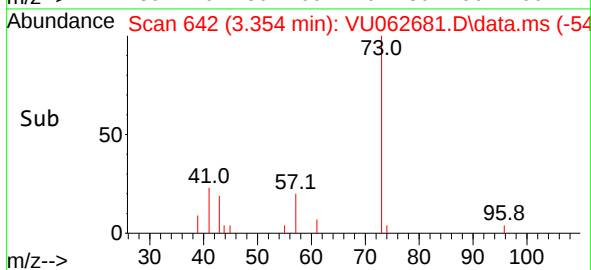
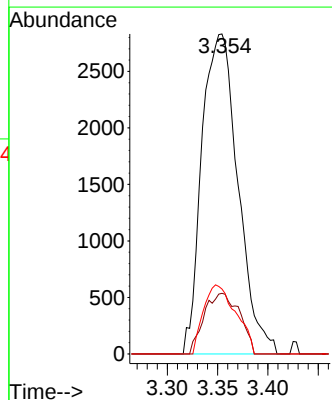
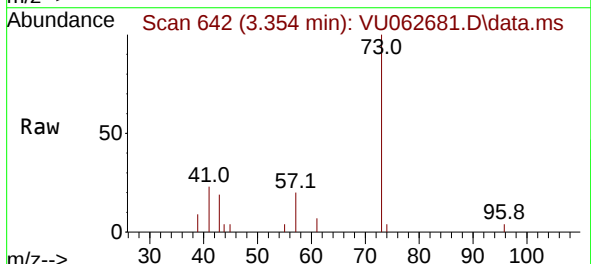
Instrument :
MSVOA_U
ClientSampleId :

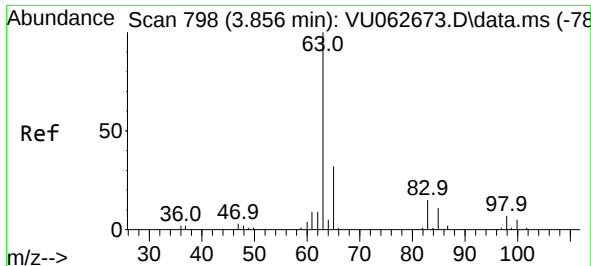
Tgt Ion: 84 Resp: 1280
Ion Ratio Lower Upper
84 100
86 61.7 44.7 83.1
49 79.8 68.3 126.9



#17
Methyl tert-butyl Ether
Concen: 0.430 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.006 min
Lab File: VU062681.D
Acq: 10 Jan 2025 13:59

Tgt Ion: 73 Resp: 7075
Ion Ratio Lower Upper
73 100
43 18.6 16.2 24.4
57 19.3 14.6 22.0





#19

1,1-Dichloroethane

Concen: 9.664 ug/L

RT: 3.853 min Scan# 798

Delta R.T. -0.003 min

Lab File: VU062681.D

Acq: 10 Jan 2025 13:59

Instrument :

MSVOA_U

ClientSampleId :

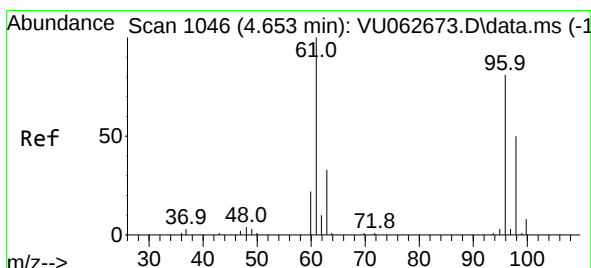
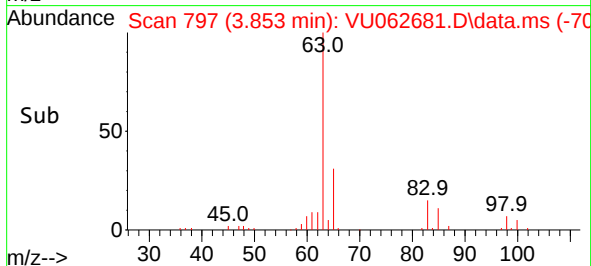
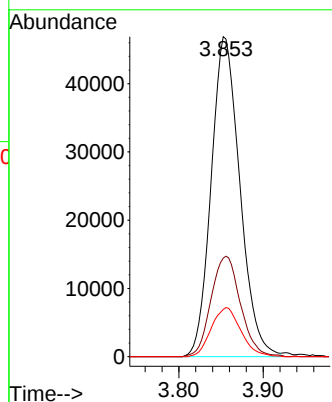
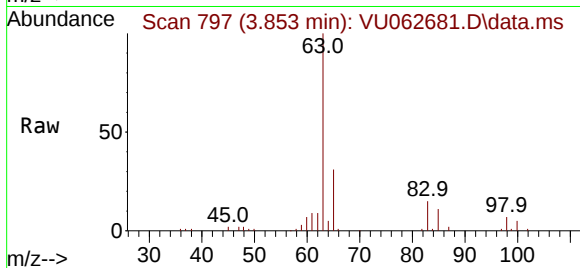
Tgt Ion: 63 Resp: 110932

Ion Ratio Lower Upper

63 100

65 30.8 20.7 38.5

83 14.7 10.5 19.5



#22

cis-1,2-Dichloroethene

Concen: 0.379 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. 0.003 min

Lab File: VU062681.D

Acq: 10 Jan 2025 13:59

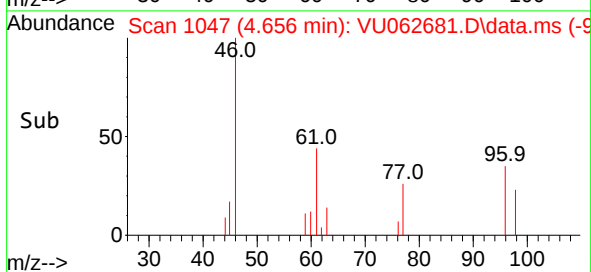
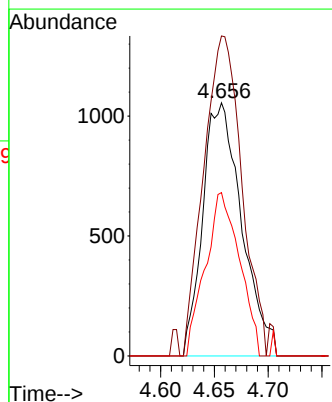
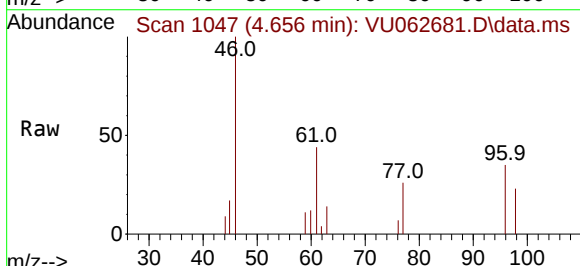
Tgt Ion: 96 Resp: 2651

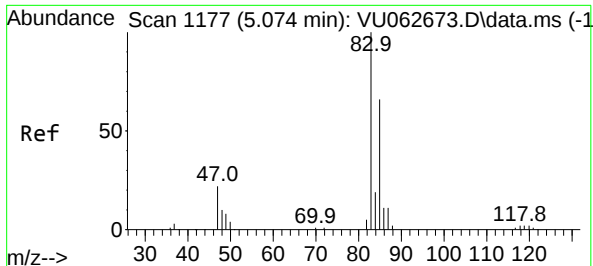
Ion Ratio Lower Upper

96 100

61 126.4 84.8 157.6

98 64.5 43.1 80.1





#25

Chloroform

Concen: 0.491 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU062681.D

Acq: 10 Jan 2025 13:59

Instrument :

MSVOA_U

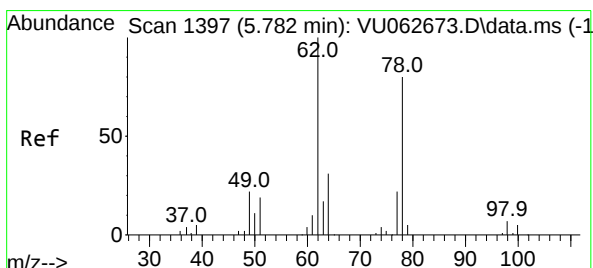
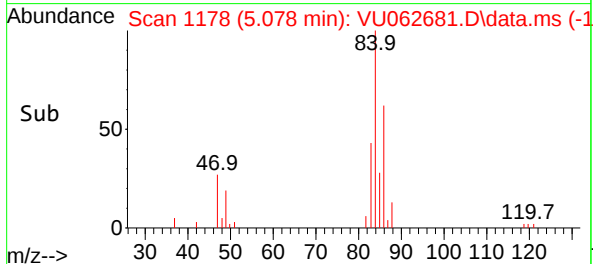
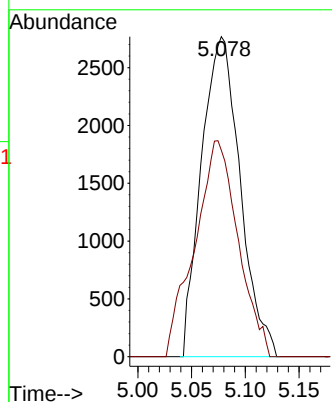
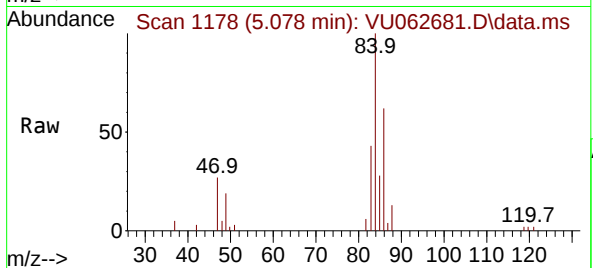
ClientSampleId :

Tgt Ion: 83 Resp: 6931

Ion Ratio Lower Upper

83 100

85 64.5 45.8 85.2



#27

1,2-Dichloroethane

Concen: 0.161 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.003 min

Lab File: VU062681.D

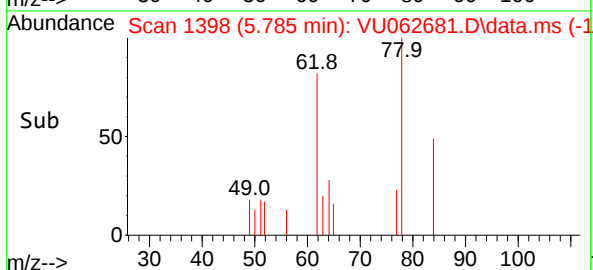
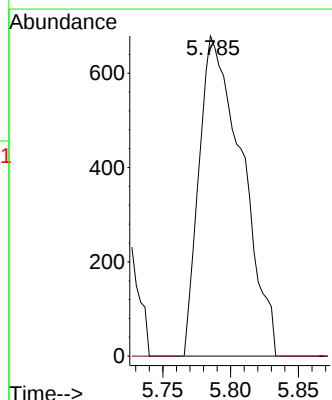
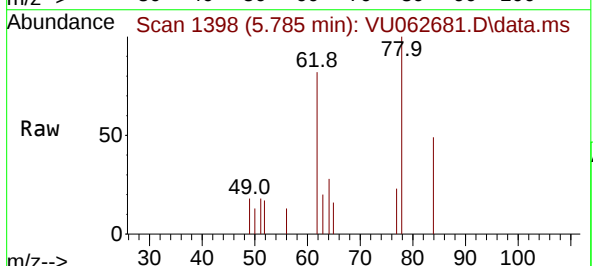
Acq: 10 Jan 2025 13:59

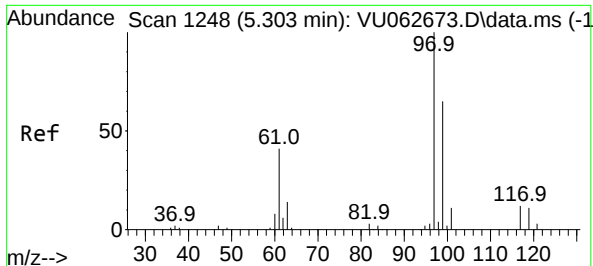
Tgt Ion: 62 Resp: 1488

Ion Ratio Lower Upper

62 100

98 0.0 5.8 8.6#

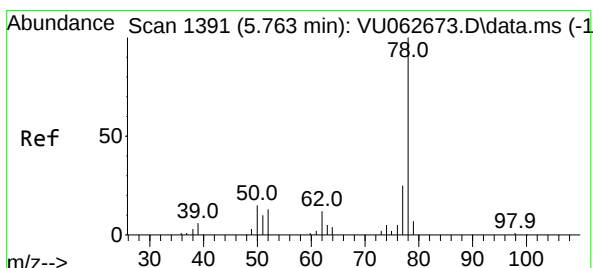
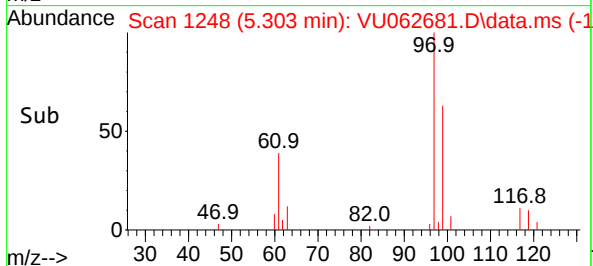
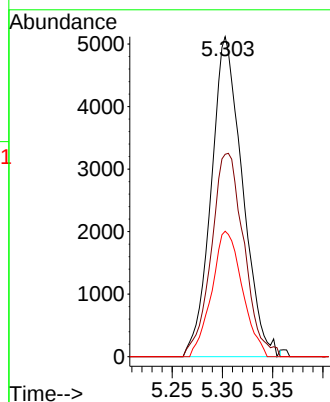
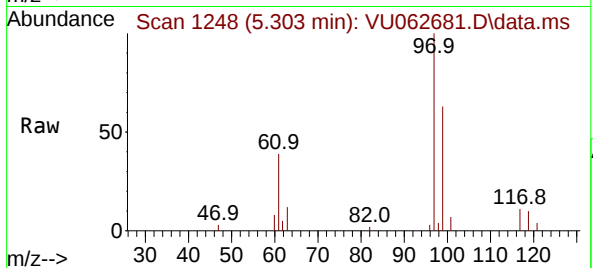




#29
1,1,1-Trichloroethane
Concen: 0.804 ug/L
RT: 5.303 min Scan# 11052
Delta R.T. -0.000 min
Lab File: VU062681.D
Acq: 10 Jan 2025 13:59

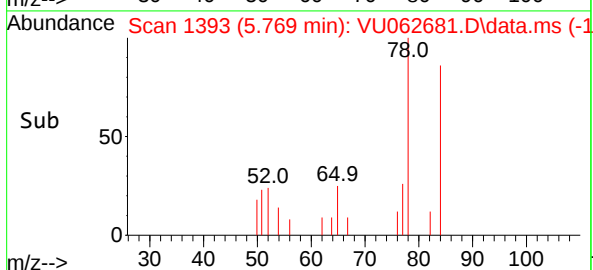
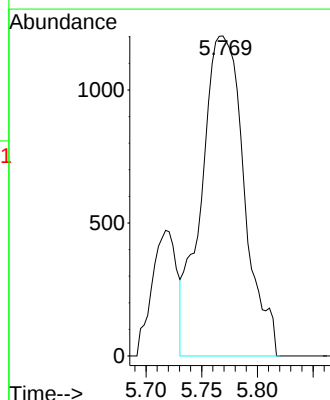
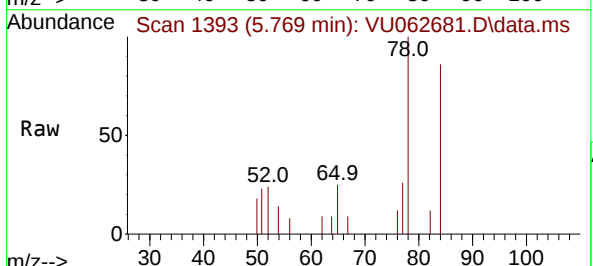
Instrument :
MSVOA_U
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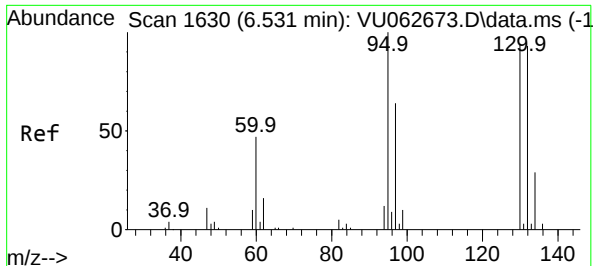
Tgt Ion:	97	Resp:	11052
Ion	Ratio	Lower	Upper
97	100		
99	66.3	52.4	78.6
61	38.3	32.2	48.4



#33
Benzene
Concen: 0.124 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.006 min
Lab File: VU062681.D
Acq: 10 Jan 2025 13:59

Tgt Ion: 78 Resp: 3227

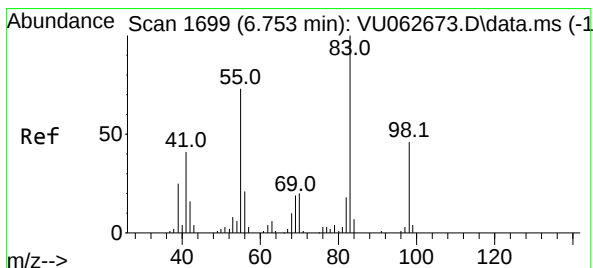
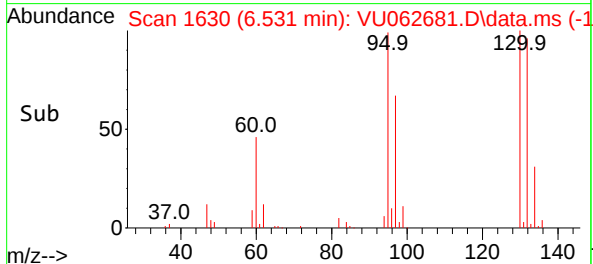
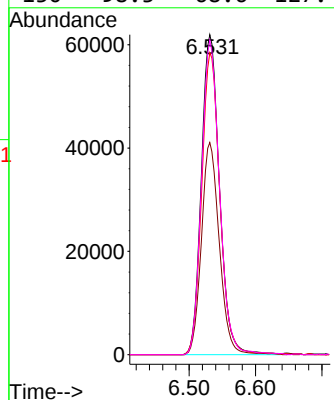
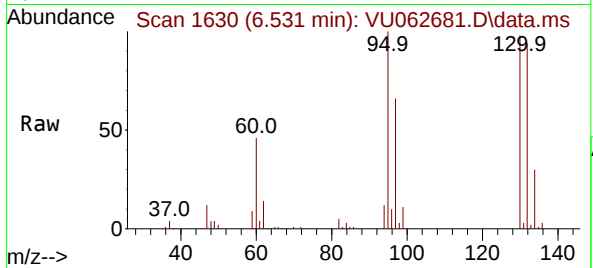




#34
Trichloroethene
Concen: 13.263 ug/L
RT: 6.531 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VU062681.D
Acq: 10 Jan 2025 13:59

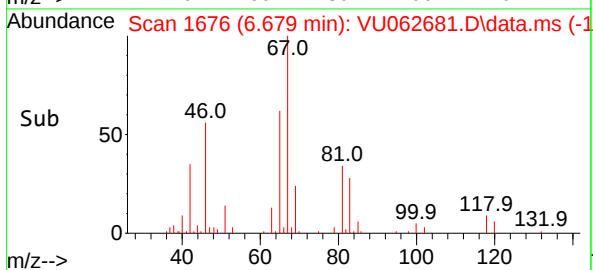
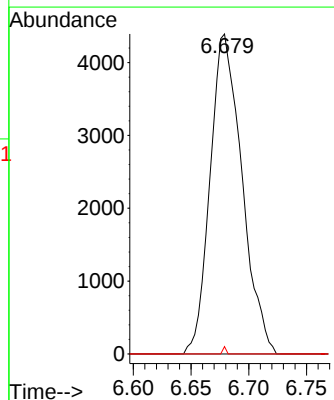
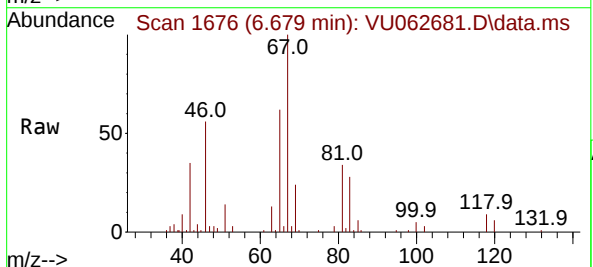
Instrument :
MSVOA_U
ClientSampleId :

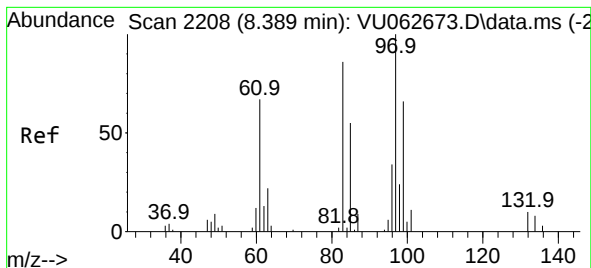
Tgt Ion: 95 Resp: 117926
Ion Ratio Lower Upper
95 100
97 66.3 47.5 88.3
132 94.3 66.9 124.3
130 98.3 68.6 127.4



#35
Methylcyclohexane
Concen: 0.769 ug/L
RT: 6.679 min Scan# 1676
Delta R.T. -0.074 min
Lab File: VU062681.D
Acq: 10 Jan 2025 13:59

Tgt Ion: 83 Resp: 8413
Ion Ratio Lower Upper
83 100
55 0.0 57.2 85.8#
98 0.0 36.6 55.0#





#45

1,1,2-Trichloroethane

Concen: 0.163 ug/L

RT: 8.396 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU062681.D

Acq: 10 Jan 2025 13:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 811

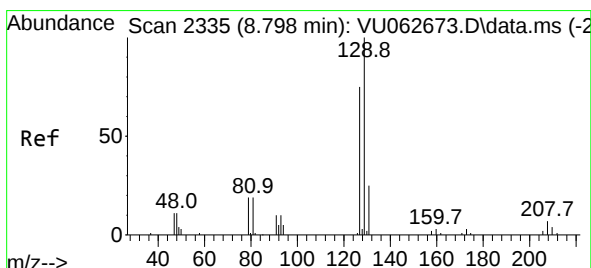
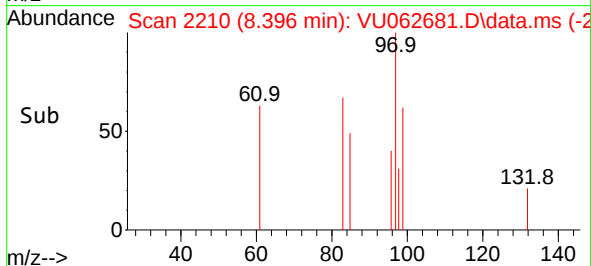
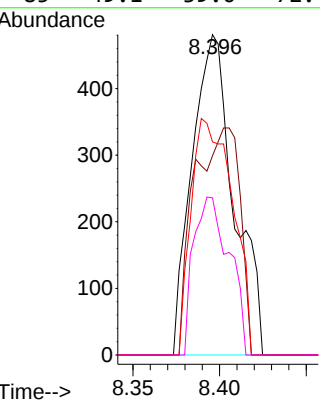
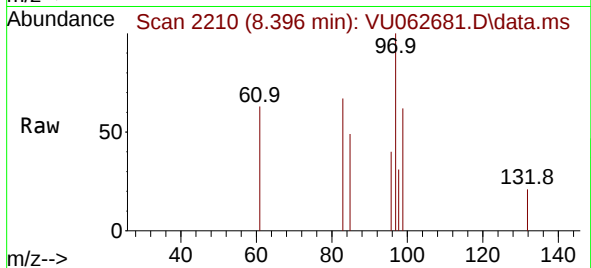
Ion Ratio Lower Upper

97 100

99 62.2 45.6 84.6

83 66.5 63.0 117.0

85 49.1 39.0 72.4



#49

Dibromochloromethane

Concen: 0.303 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.248 min

Lab File: VU062681.D

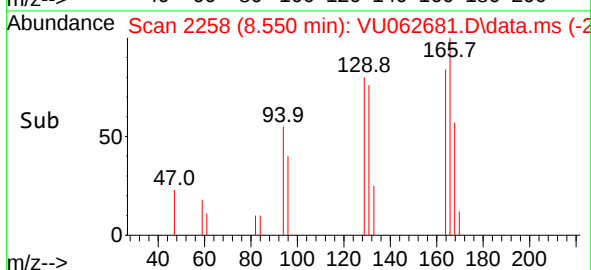
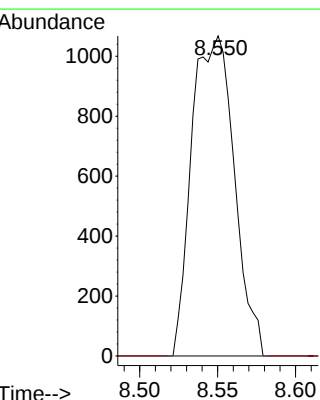
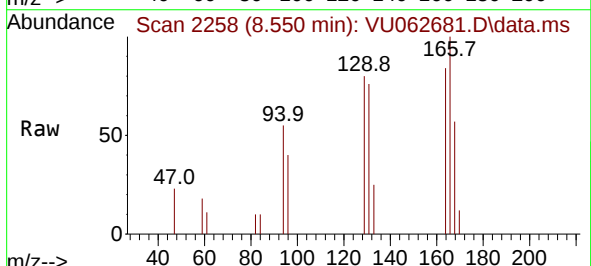
Acq: 10 Jan 2025 13:59

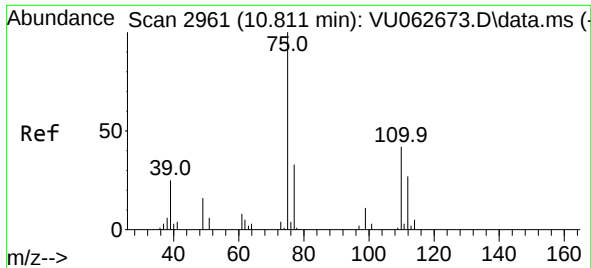
Tgt Ion: 129 Resp: 2028

Ion Ratio Lower Upper

129 100

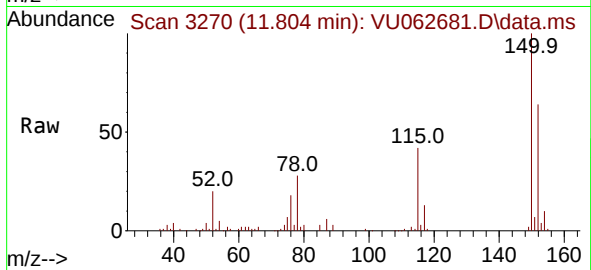
127 0.0 52.1 96.9#





#61
1,2,3-Trichloropropane
Concen: 1.157 ug/L
RT: 11.804 min Scan# 31
Delta R.T. 0.993 min
Lab File: VU062681.D
Acq: 10 Jan 2025 13:59

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.9	33.2	49.8#
77	40.9	25.9	38.9#

