

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011525\
 Data File : VU062776.D
 Acq On : 15 Jan 2025 18:50
 Operator : MD/SY
 Sample : Q1071-10
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 00:51:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 16 00:44:09 2025
 Response via : Initial Calibration

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

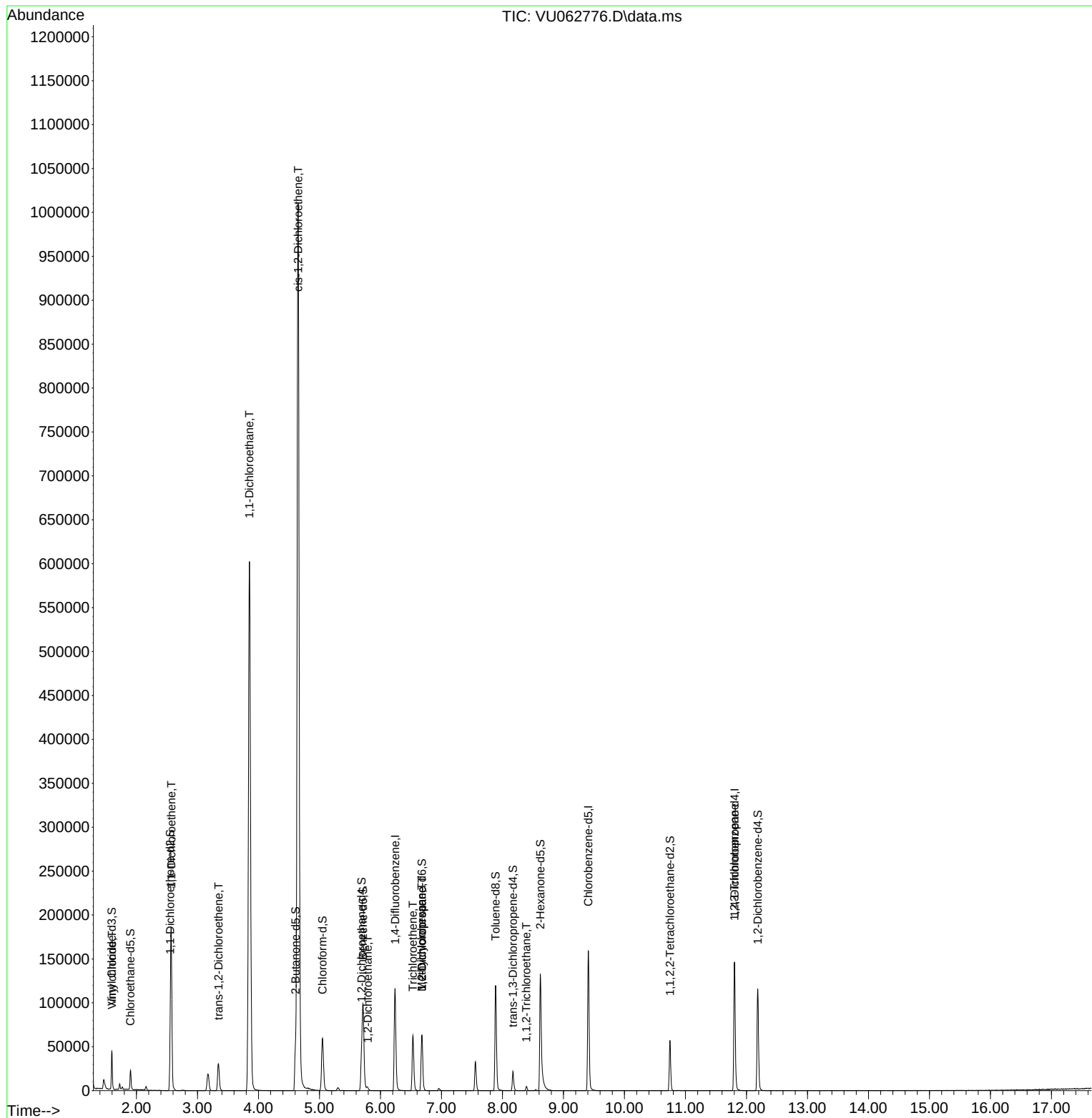
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	95696	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	90033	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	42584	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	16104	3.038	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.800%
7) Chloroethane-d5	1.901	69	15498	3.635	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.800%
11) 1,1-Dichloroethene-d2	2.554	65	9612	3.501	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.000%
20) 2-Butanone-d5	4.608	46	59903	55.301	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.600%
24) Chloroform-d	5.049	84	57692	4.424	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.689	65	33586	4.749	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.715	84	92086	4.184	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
36) 1,2-Dichloropropane-d6	6.679	67	28323	4.642	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.800%
41) Toluene-d8	7.888	98	84731	3.952	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.000%
43) trans-1,3-Dichloroprop...	8.171	79	13331	4.383	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.621	63	49044	51.267	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.540%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	26146	5.116	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.400%
66) 1,2-Dichlorobenzene-d4	12.184	152	33941	4.791	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						
5) Vinyl chloride	1.599	62	5449	0.791	ug/L	92
12) 1,1-Dichloroethene	2.570	96	53346	8.980	ug/L #	83
18) trans-1,2-Dichloroethene	3.345	96	14306	2.248	ug/L	95
19) 1,1-Dichloroethane	3.850	63	668018	58.704	ug/L	96
22) cis-1,2-Dichloroethene	4.650	96	553536	79.864	ug/L	98
27) 1,2-Dichloroethane	5.792	62	3021	0.330	ug/L #	90
34) Trichloroethene	6.531	95	22207	2.513	ug/L	96
35) Methylcyclohexane	6.676	83	8083	0.743	ug/L #	21
37) 1,2-Dichloropropane	6.679	63	3663	0.600	ug/L #	85
45) 1,1,2-Trichloroethane	8.390	97	1728	0.349	ug/L	87
61) 1,2,3-Trichloropropane	11.801	75	4142	1.097	ug/L #	59

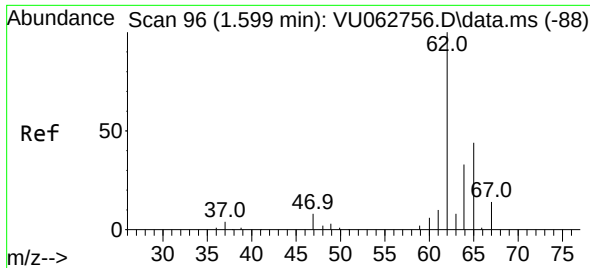
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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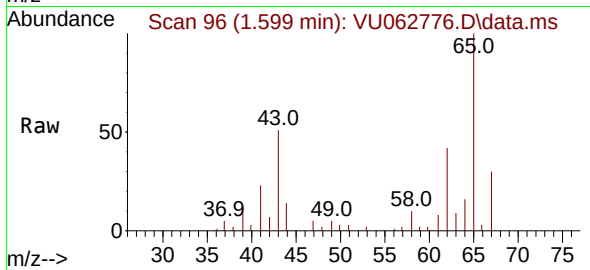
Quant Time: Jan 16 00:51:32 2025
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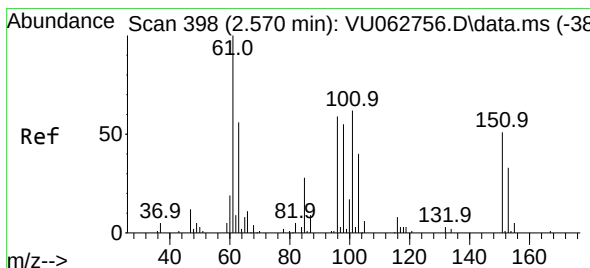
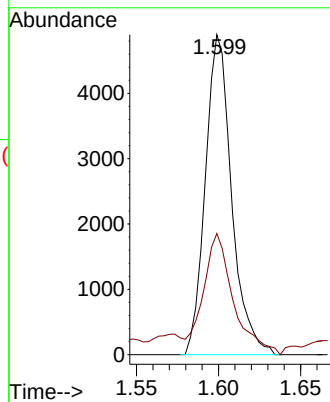
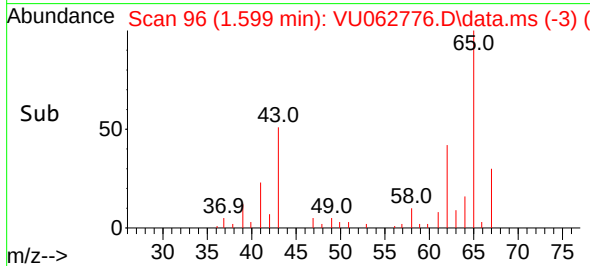


#5
 Vinyl chloride
 Concen: 0.791 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU062776.D
 Acq: 15 Jan 2025 18:50

Instrument :
 MSVOA_U
 ClientSampleId :

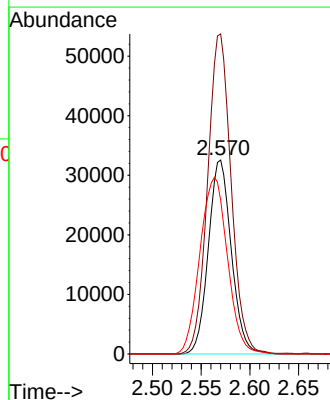
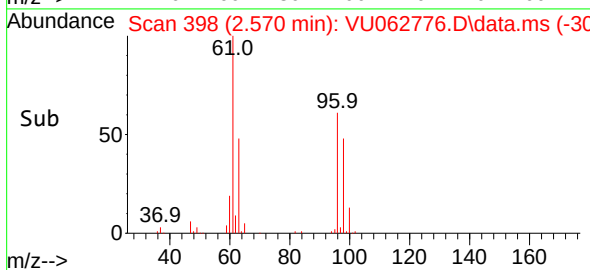
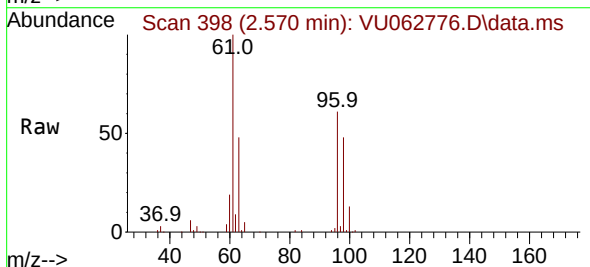


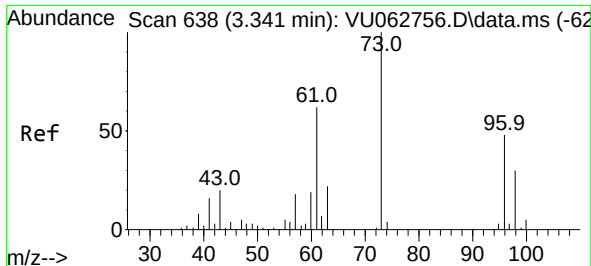
Tgt Ion: 62 Resp: 5449
 Ion Ratio Lower Upper
 62 100
 64 37.8 23.4 43.4



#12
 1,1-Dichloroethene
 Concen: 8.980 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. 0.000 min
 Lab File: VU062776.D
 Acq: 15 Jan 2025 18:50

Tgt Ion: 96 Resp: 53346
 Ion Ratio Lower Upper
 96 100
 61 165.0 120.4 223.6
 63 79.3 82.3 152.9#

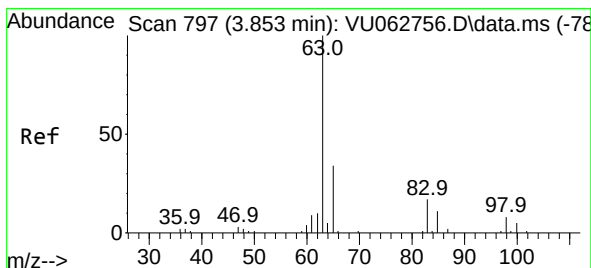
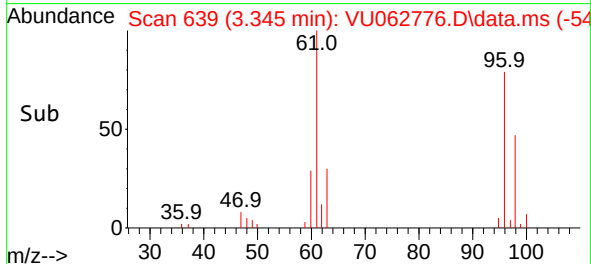
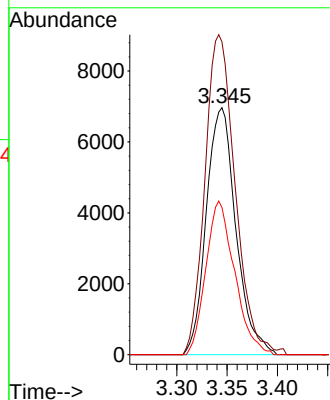
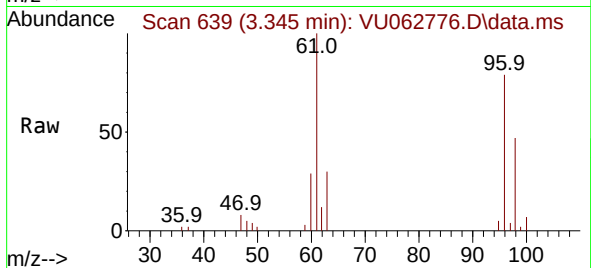




#18
trans-1,2-Dichloroethene
Concen: 2.248 ug/L
RT: 3.345 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU062776.D
Acq: 15 Jan 2025 18:50

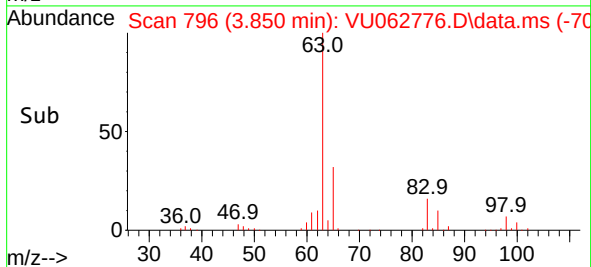
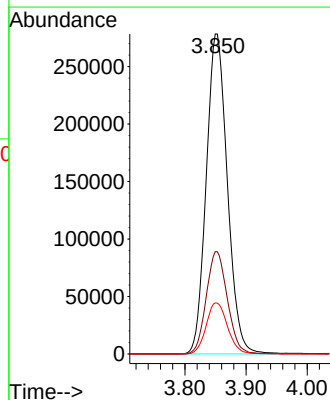
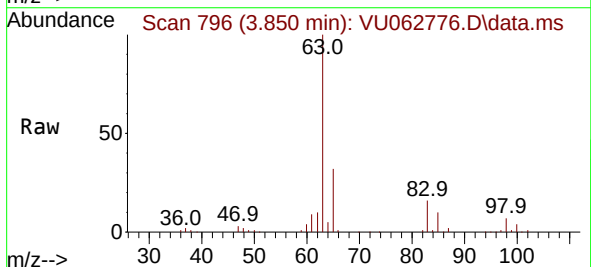
Instrument :
MSVOA_U
ClientSampleId :

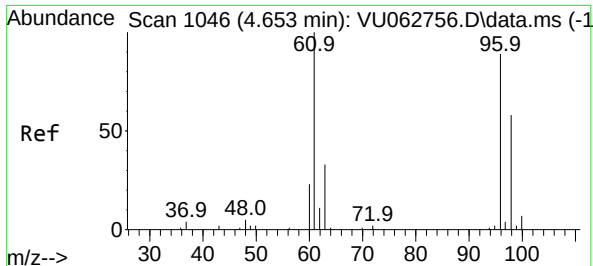
Tgt Ion: 96 Resp: 14306
Ion Ratio Lower Upper
96 100
61 126.7 94.4 175.2
98 59.6 42.8 79.4



#19
1,1-Dichloroethane
Concen: 58.704 ug/L
RT: 3.850 min Scan# 796
Delta R.T. -0.003 min
Lab File: VU062776.D
Acq: 15 Jan 2025 18:50

Tgt Ion: 63 Resp: 668018
Ion Ratio Lower Upper
63 100
65 31.9 20.7 38.5
83 16.0 10.5 19.5





#22

cis-1,2-Dichloroethene

Concen: 79.864 ug/L

RT: 4.650 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU062776.D

Acq: 15 Jan 2025 18:50

Instrument :

MSVOA_U

ClientSampleId :

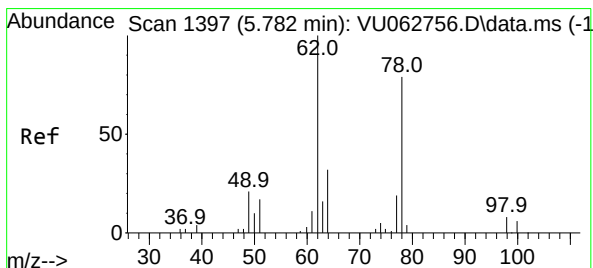
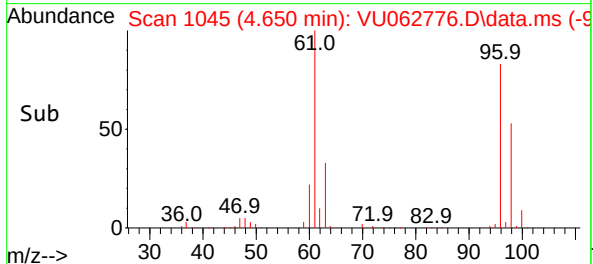
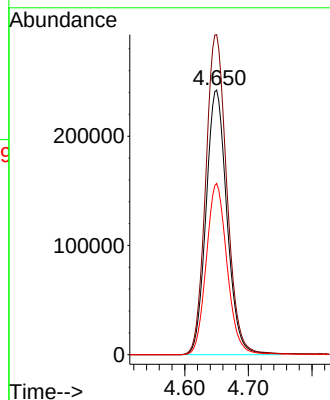
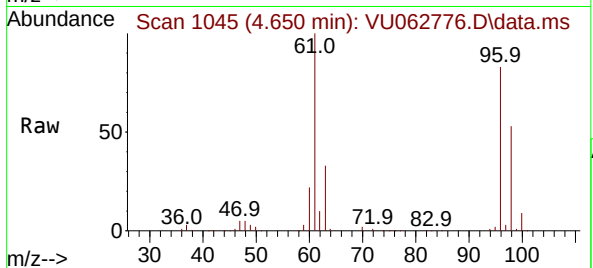
Tgt Ion: 96 Resp: 553536

Ion Ratio Lower Upper

96 100

61 120.9 84.8 157.6

98 64.7 43.1 80.1



#27

1,2-Dichloroethane

Concen: 0.330 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.010 min

Lab File: VU062776.D

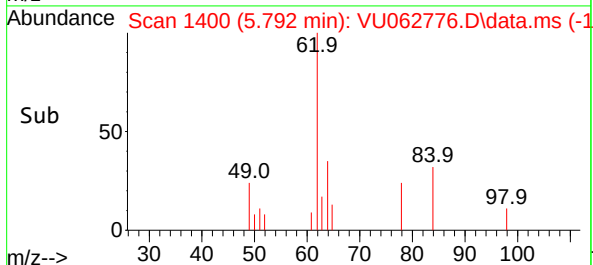
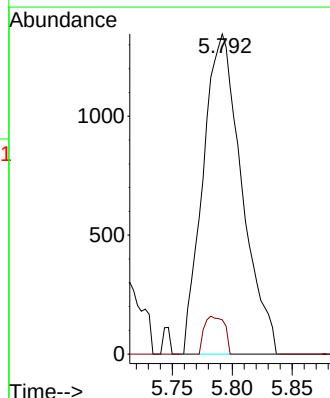
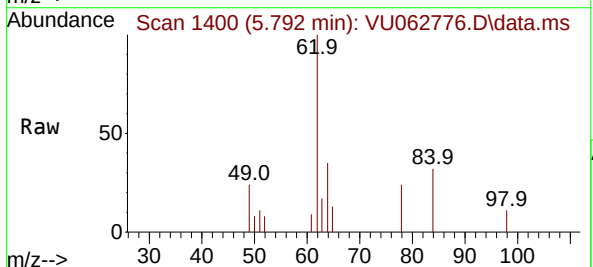
Acq: 15 Jan 2025 18:50

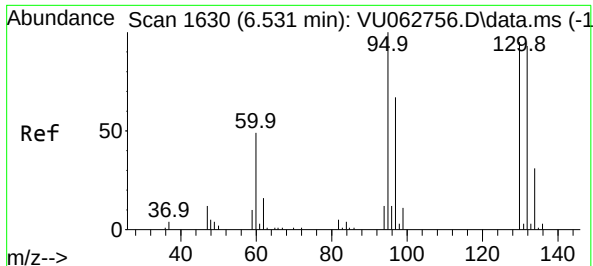
Tgt Ion: 62 Resp: 3021

Ion Ratio Lower Upper

62 100

98 10.7 5.8 8.6#





#34

Trichloroethene

Concen: 2.513 ug/L

RT: 6.531 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU062776.D

Acq: 15 Jan 2025 18:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 22207

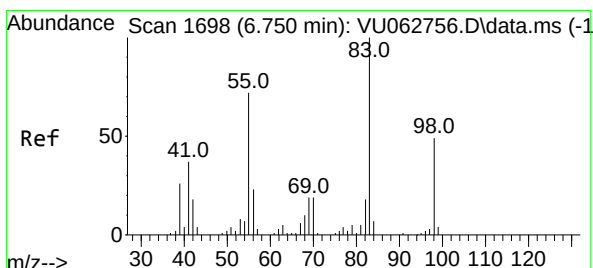
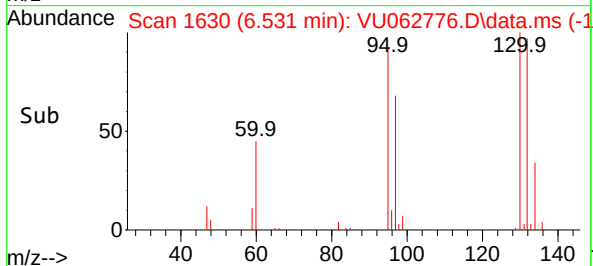
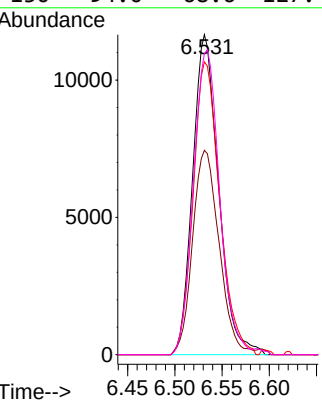
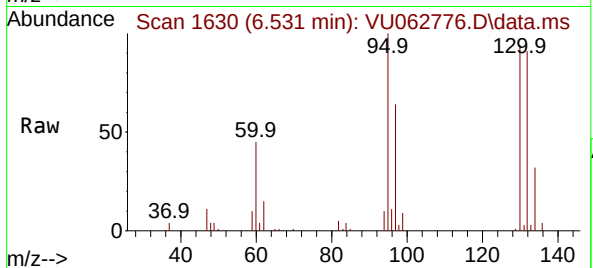
Ion Ratio Lower Upper

95 100

97 63.9 47.5 88.3

132 91.5 66.9 124.3

130 94.0 68.6 127.4



#35

Methylcyclohexane

Concen: 0.743 ug/L

RT: 6.676 min Scan# 1675

Delta R.T. -0.074 min

Lab File: VU062776.D

Acq: 15 Jan 2025 18:50

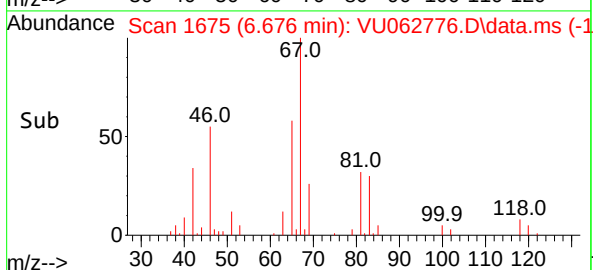
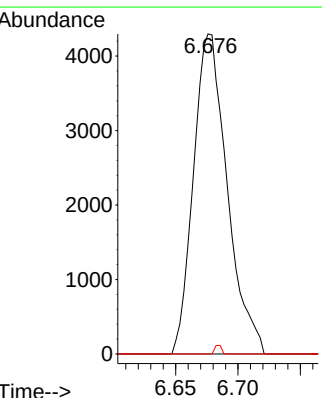
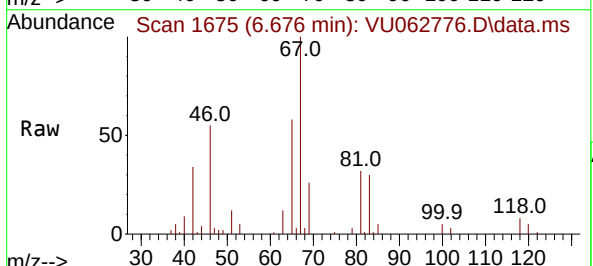
Tgt Ion: 83 Resp: 8083

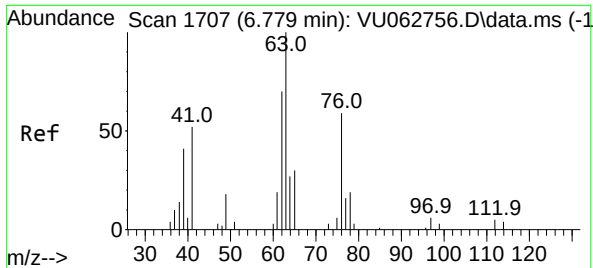
Ion Ratio Lower Upper

83 100

55 0.0 57.2 85.8#

98 0.5 36.6 55.0#





#37

1,2-Dichloropropane

Concen: 0.600 ug/L

RT: 6.679 min Scan# 1

Delta R.T. -0.099 min

Lab File: VU062776.D

Acq: 15 Jan 2025 18:50

Instrument :

MSVOA_U

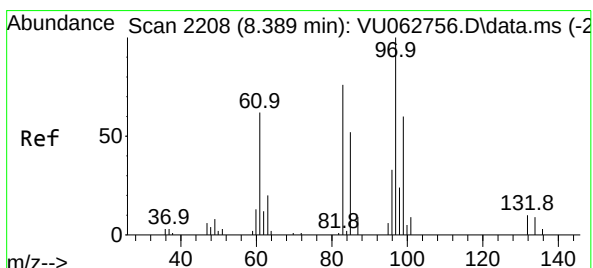
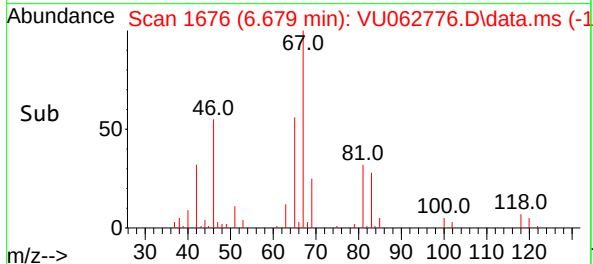
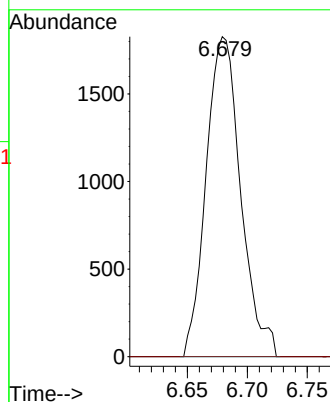
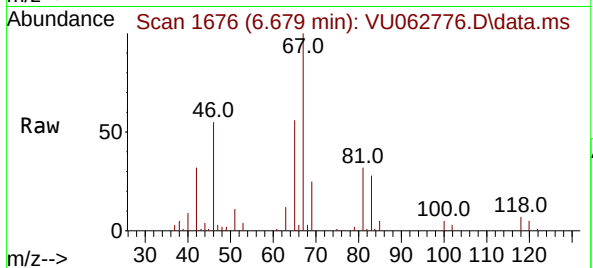
ClientSampleId :

Tgt Ion: 63 Resp: 3663

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#45

1,1,2-Trichloroethane

Concen: 0.349 ug/L

RT: 8.390 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VU062776.D

Acq: 15 Jan 2025 18:50

Tgt Ion: 97 Resp: 1728

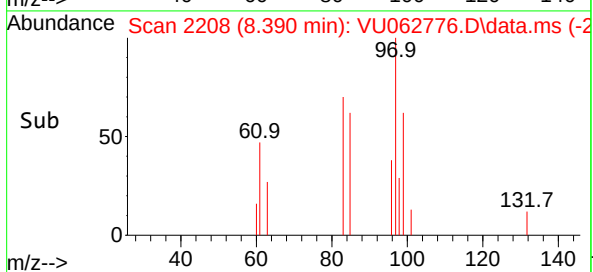
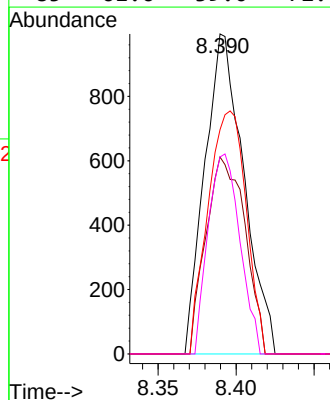
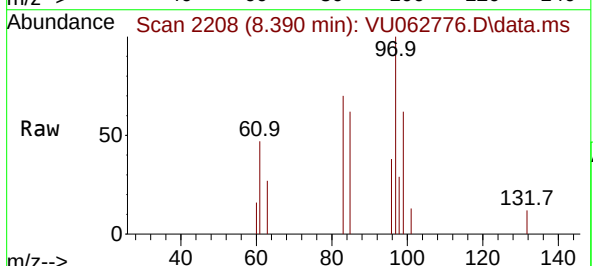
Ion Ratio Lower Upper

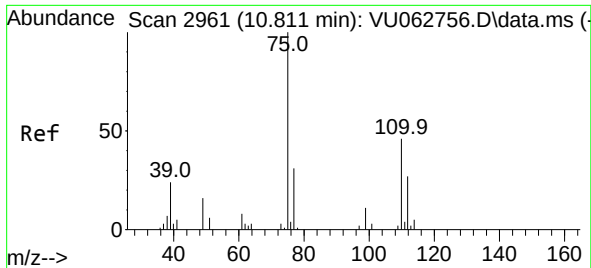
97 100

99 61.6 45.6 84.6

83 70.1 63.0 117.0

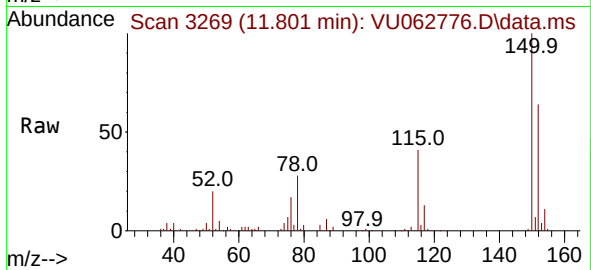
85 61.6 39.0 72.4





#61
 1,2,3-Trichloropropane
 Concen: 1.097 ug/L
 RT: 11.801 min Scan# 31
 Delta R.T. 0.991 min
 Lab File: VU062776.D
 Acq: 15 Jan 2025 18:50

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 4142
 Ion Ratio Lower Upper
 75 100
 110 1.2 33.2 49.8#
 77 38.4 25.9 38.9

