

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011525\
 Data File : VU062775.D
 Acq On : 15 Jan 2025 18:25
 Operator : MD/SY
 Sample : Q1071-09
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 00:51:09 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	6.238	114	94421	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	88447	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	41183	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	17034	3.257	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.200%
7) Chloroethane-d5	1.901	69	16809	3.996	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.000%
11) 1,1-Dichloroethene-d2	2.557	65	9769	3.606	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.200%
20) 2-Butanone-d5	4.605	46	62207	58.203	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.400%
24) Chloroform-d	5.049	84	61280	4.763	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.689	65	36289	5.200	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
32) Benzene-d6	5.714	84	97659	4.517	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.679	67	29919	4.991	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.888	98	88841	4.218	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
43) trans-1,3-Dichloroprop...	8.174	79	13698	4.584	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.600%
46) 2-Hexanone-d5	8.621	63	48799	51.926	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.860%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	26805	5.339	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.800%
66) 1,2-Dichlorobenzene-d4	12.184	152	35248	5.144	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.800%

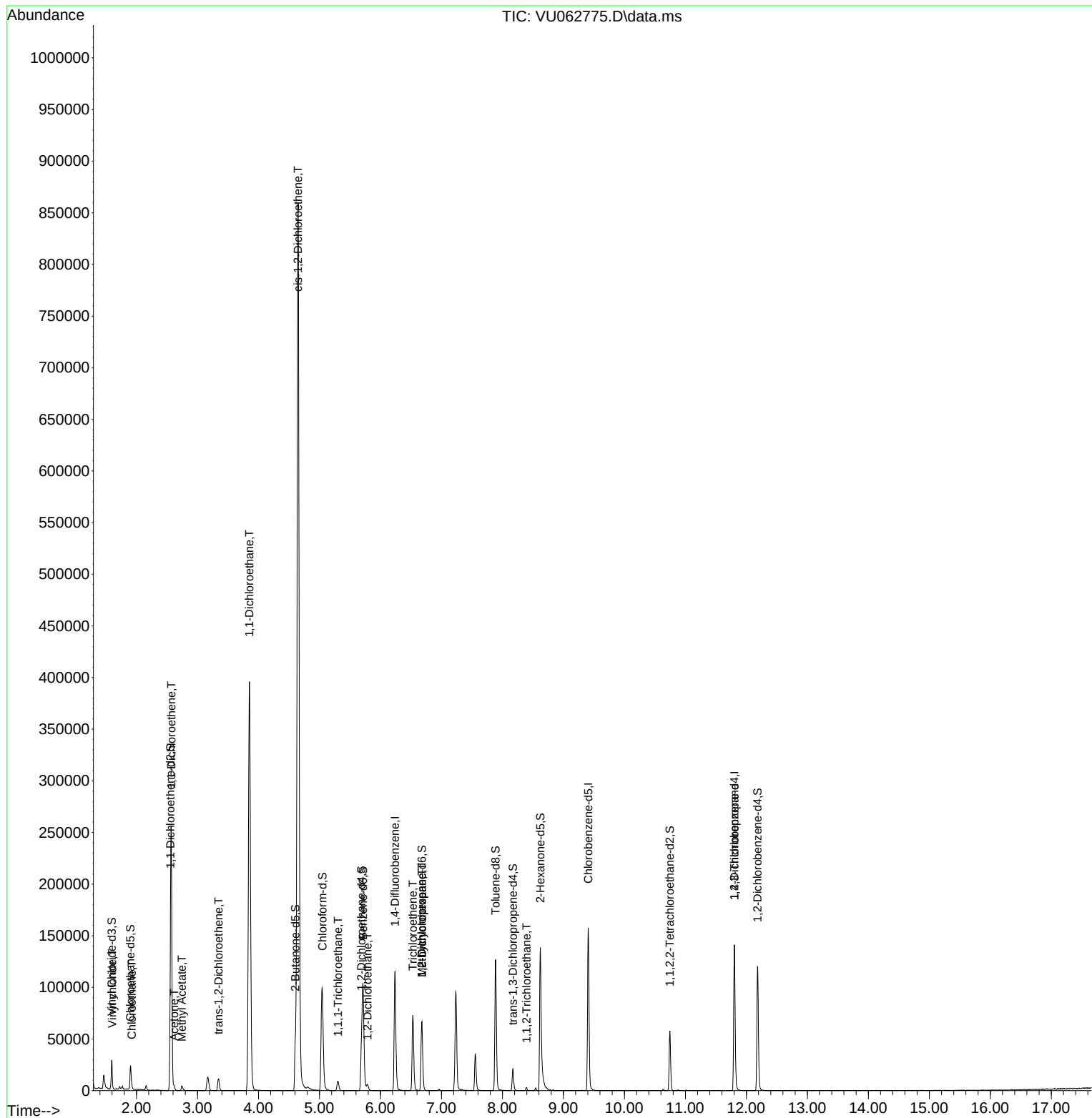
Target Compounds				Qvalue		
5) Vinyl chloride	1.602	62	1129	0.166	ug/L #	59
8) Chloroethane	1.923	64	2297	0.562	ug/L	97
12) 1,1-Dichloroethene	2.570	96	78543	13.400	ug/L #	78
13) Acetone	2.618	43	4208	4.970	ug/L	98
15) Methyl Acetate	2.743	43	1591	0.868	ug/L #	44
18) trans-1,2-Dichloroethene	3.345	96	5480	0.873	ug/L	87
19) 1,1-Dichloroethane	3.853	63	437186	38.938	ug/L	95
22) cis-1,2-Dichloroethene	4.650	96	466384	68.199	ug/L	98
27) 1,2-Dichloroethane	5.788	62	5496	0.608	ug/L #	96
29) 1,1,1-Trichloroethane	5.303	97	7373	0.550	ug/L	97
34) Trichloroethene	6.531	95	26057	3.002	ug/L	97
35) Methylcyclohexane	6.679	83	8071	0.756	ug/L #	21
37) 1,2-Dichloropropane	6.679	63	3888	0.649	ug/L #	85
45) 1,1,2-Trichloroethane	8.396	97	1101	0.226	ug/L	87
61) 1,2,3-Trichloropropane	11.804	75	4174	1.143	ug/L #	64

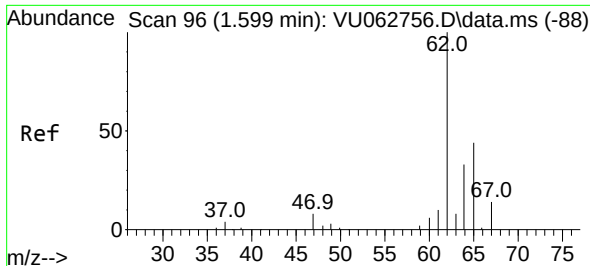
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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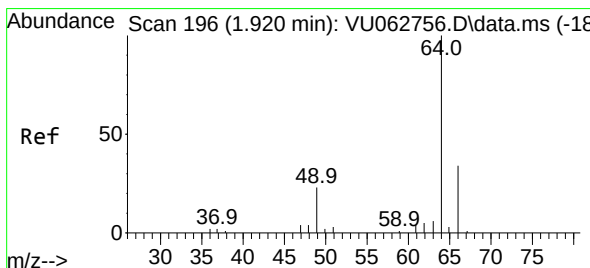
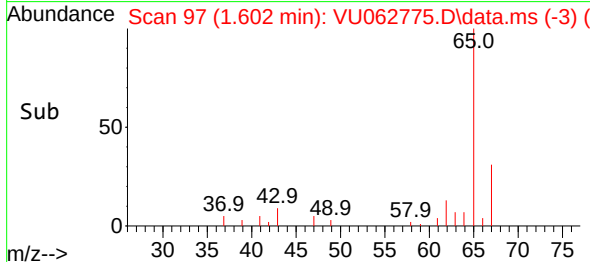
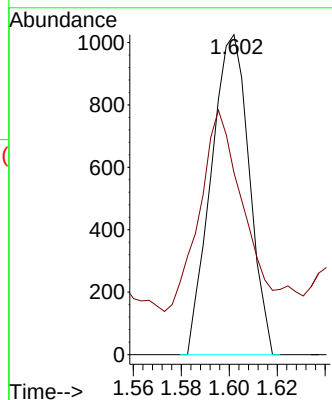
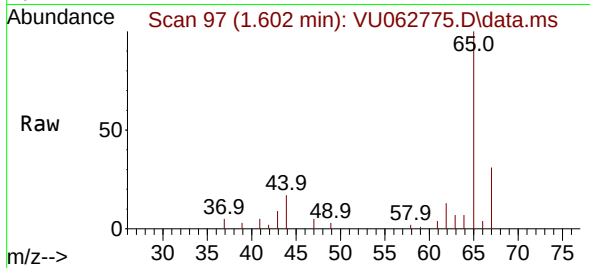




#5
 Vinyl chloride
 Concen: 0.166 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU062775.D
 Acq: 15 Jan 2025 18:25

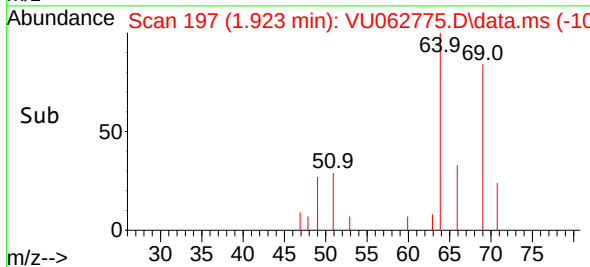
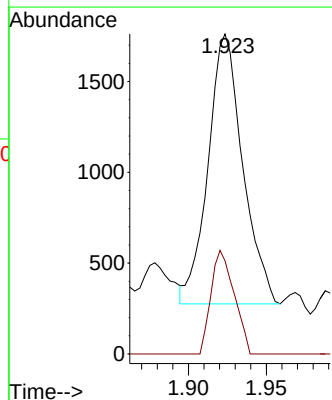
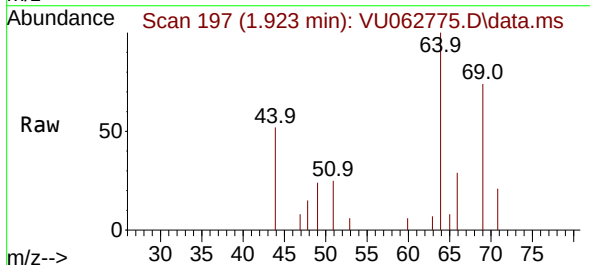
Instrument :
 MSVOA_U
 ClientSampleId :

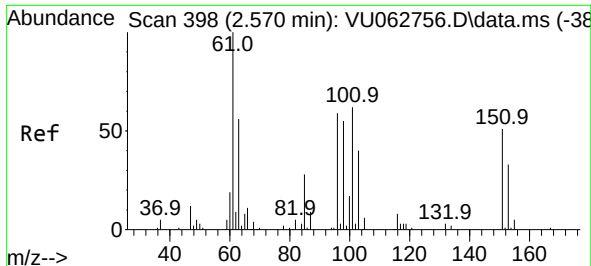
Tgt Ion: 62 Resp: 1129
 Ion Ratio Lower Upper
 62 100
 64 56.9 23.4 43.4#



#8
 Chloroethane
 Concen: 0.562 ug/L
 RT: 1.923 min Scan# 197
 Delta R.T. 0.003 min
 Lab File: VU062775.D
 Acq: 15 Jan 2025 18:25

Tgt Ion: 64 Resp: 2297
 Ion Ratio Lower Upper
 64 100
 66 29.1 21.6 40.2

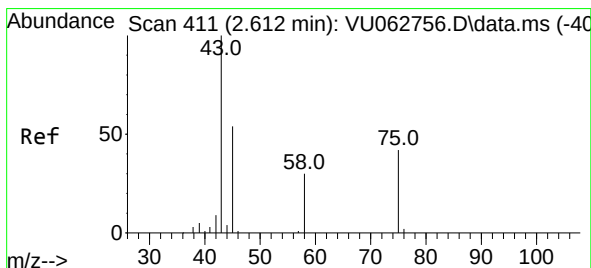
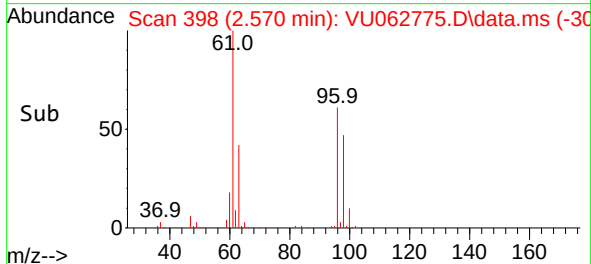
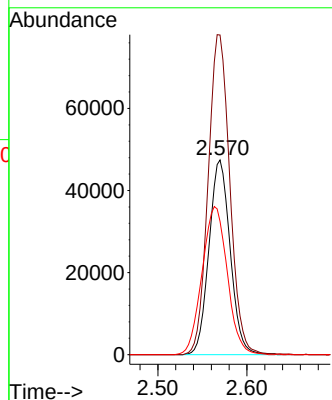
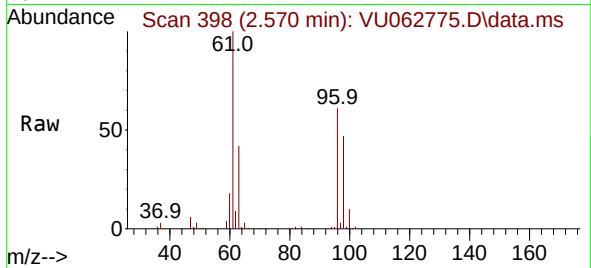




#12
1,1-Dichloroethene
Concen: 13.400 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.000 min
Lab File: VU062775.D
Acq: 15 Jan 2025 18:25

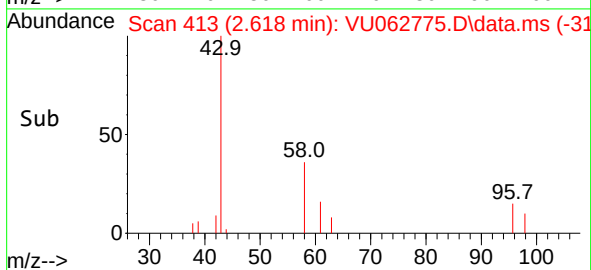
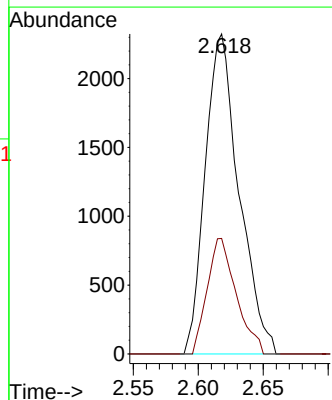
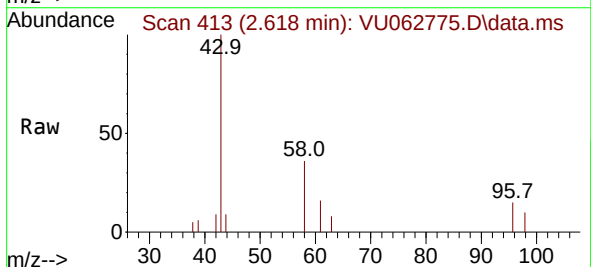
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MSVOA_U
ClientSampleId :

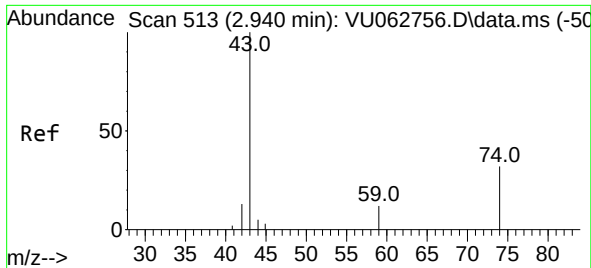
Tgt Ion: 96 Resp: 78543
Ion Ratio Lower Upper
96 100
61 164.2 120.4 223.6
63 68.5 82.3 152.9#



#13
Acetone
Concen: 4.970 ug/L
RT: 2.618 min Scan# 413
Delta R.T. 0.006 min
Lab File: VU062775.D
Acq: 15 Jan 2025 18:25

Tgt Ion: 43 Resp: 4208
Ion Ratio Lower Upper
43 100
58 30.9 0.0 64.4

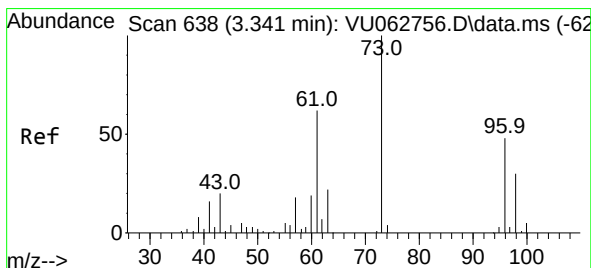
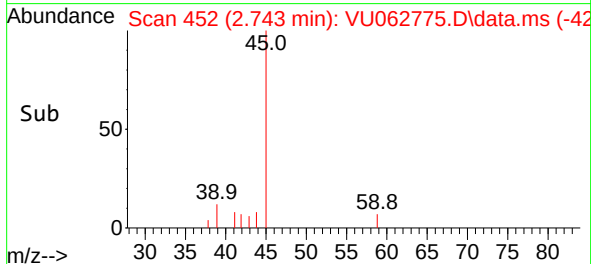
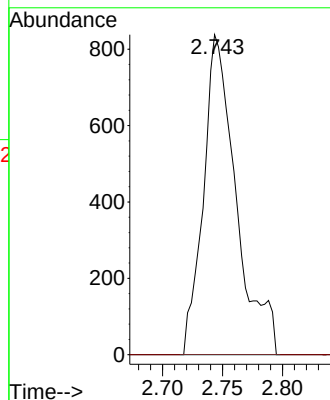
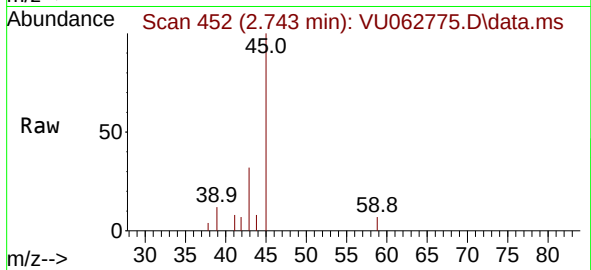




#15
Methyl Acetate
Concen: 0.868 ug/L
RT: 2.743 min Scan# 415
Delta R.T. -0.196 min
Lab File: VU062775.D
Acq: 15 Jan 2025 18:25

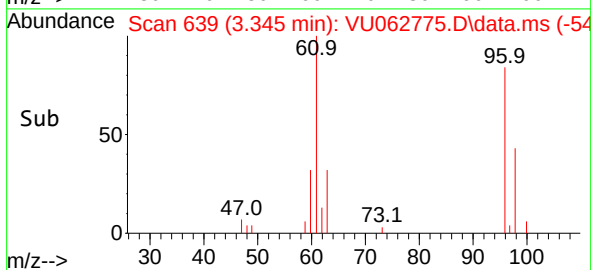
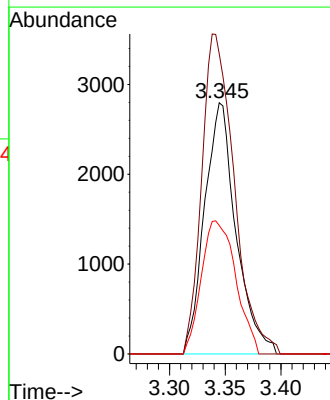
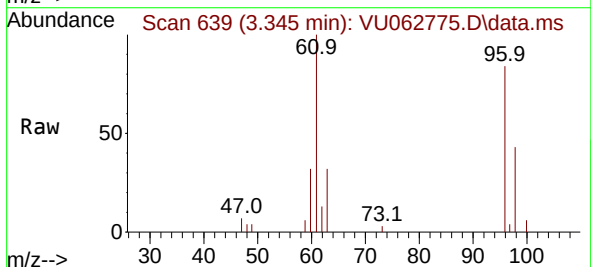
Instrument :
MSVOA_U
ClientSampleId :

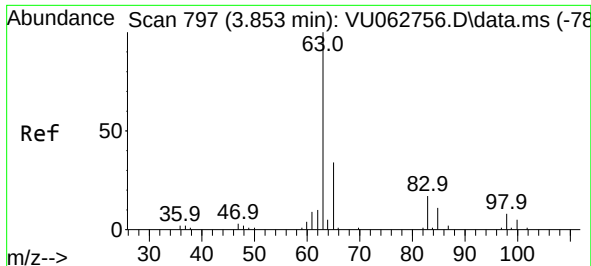
Tgt Ion: 43 Resp: 1591
Ion Ratio Lower Upper
43 100
74 0.0 24.4 36.6#



#18
trans-1,2-Dichloroethene
Concen: 0.873 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.003 min
Lab File: VU062775.D
Acq: 15 Jan 2025 18:25

Tgt Ion: 96 Resp: 5480
Ion Ratio Lower Upper
96 100
61 119.5 94.4 175.2
98 51.2 42.8 79.4





#19

1,1-Dichloroethane

Concen: 38.938 ug/L

RT: 3.853 min Scan# 797

Delta R.T. -0.000 min

Lab File: VU062775.D

Acq: 15 Jan 2025 18:25

Instrument :

MSVOA_U

ClientSampleId :

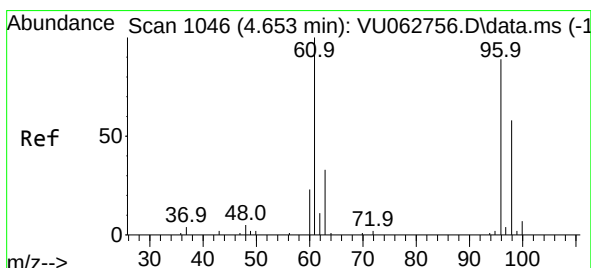
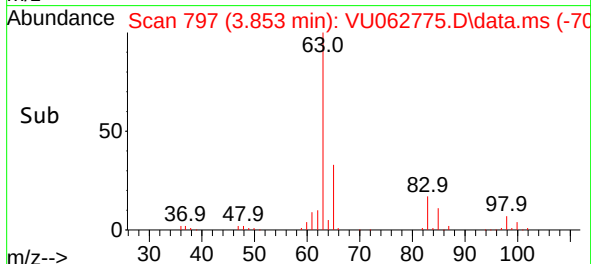
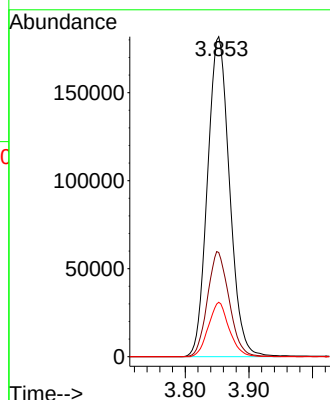
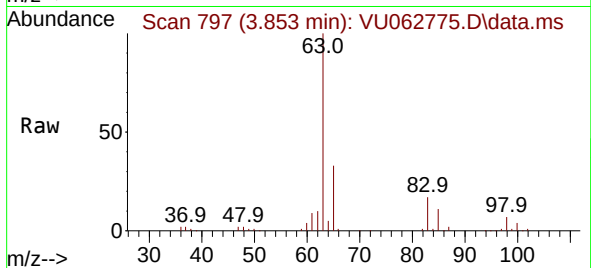
Tgt Ion: 63 Resp: 437186

Ion Ratio Lower Upper

63 100

65 32.5 20.7 38.5

83 17.0 10.5 19.5



#22

cis-1,2-Dichloroethene

Concen: 68.199 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.003 min

Lab File: VU062775.D

Acq: 15 Jan 2025 18:25

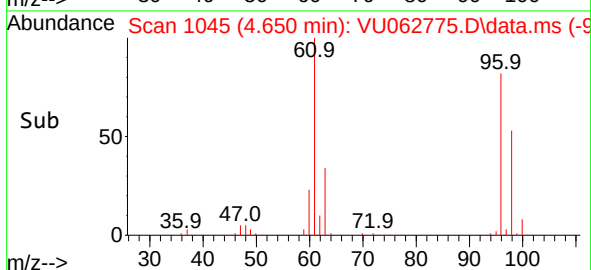
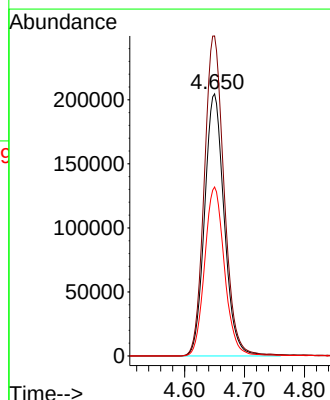
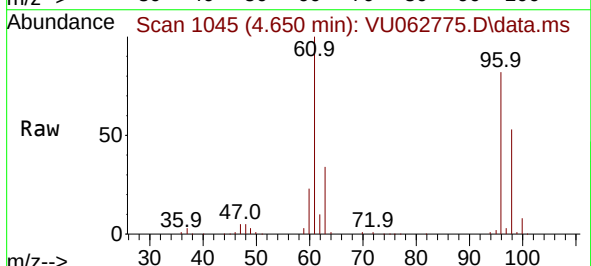
Tgt Ion: 96 Resp: 466384

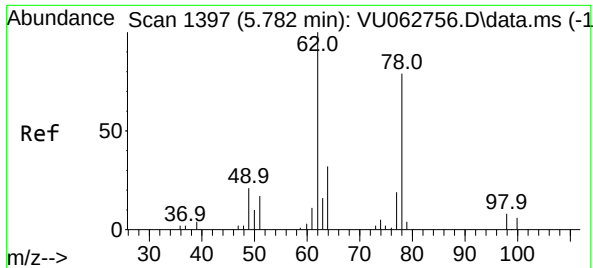
Ion Ratio Lower Upper

96 100

61 122.1 84.8 157.6

98 64.5 43.1 80.1

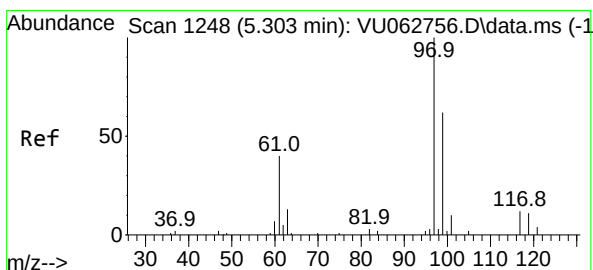
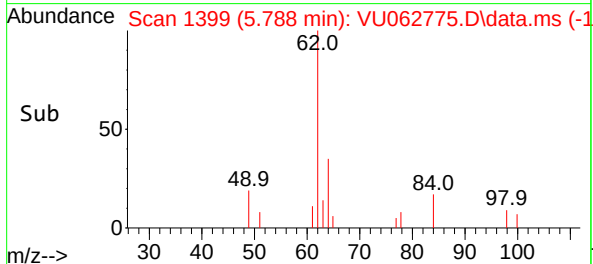
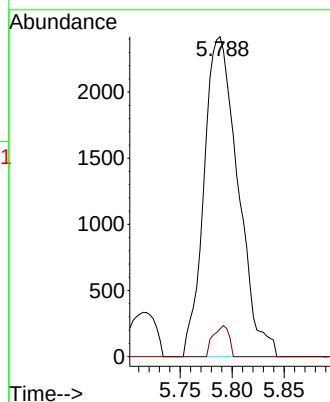
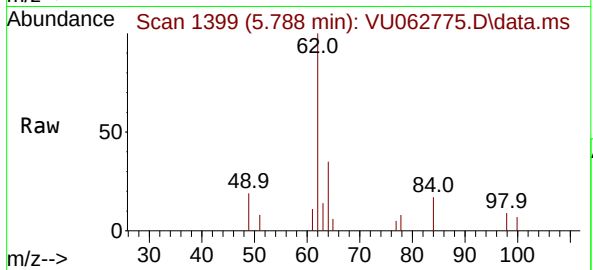




#27
1,2-Dichloroethane
Concen: 0.608 ug/L
RT: 5.788 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU062775.D
Acq: 15 Jan 2025 18:25

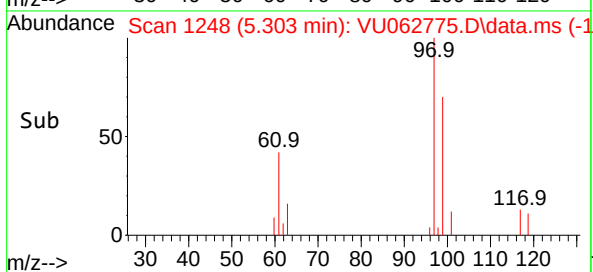
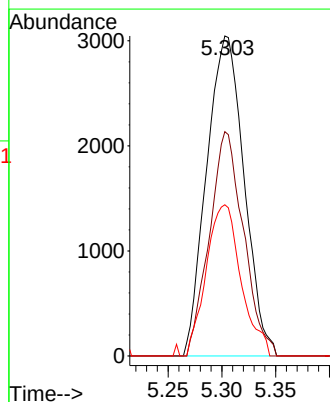
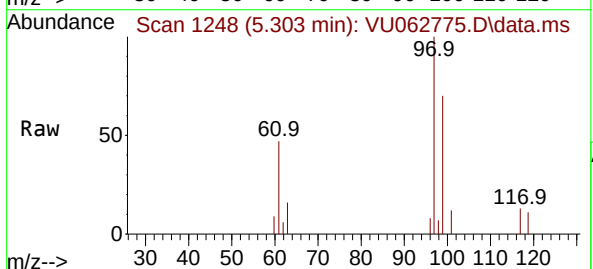
Instrument :
MSVOA_U
ClientSampleId :

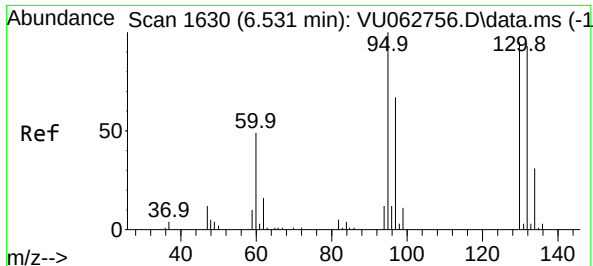
Tgt Ion: 62 Resp: 5496
Ion Ratio Lower Upper
62 100
98 8.7 5.8 8.6#



#29
1,1,1-Trichloroethane
Concen: 0.550 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VU062775.D
Acq: 15 Jan 2025 18:25

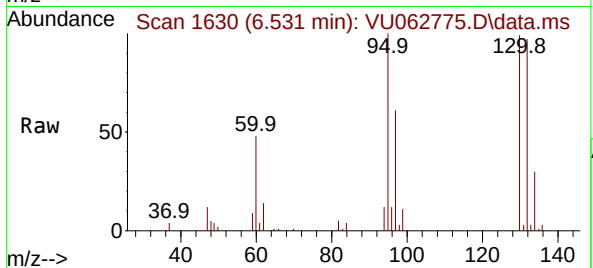
Tgt Ion: 97 Resp: 7373
Ion Ratio Lower Upper
97 100
99 63.9 52.4 78.6
61 43.9 32.2 48.4



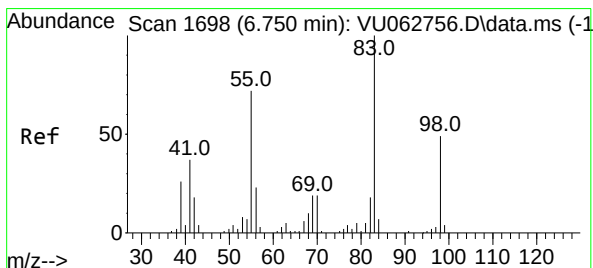
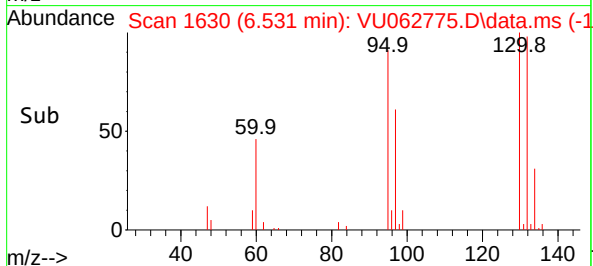
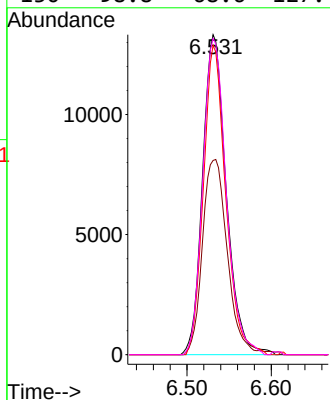


#34
Trichloroethene
Concen: 3.002 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VU062775.D
Acq: 15 Jan 2025 18:25

Instrument :
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ClientSampleId :

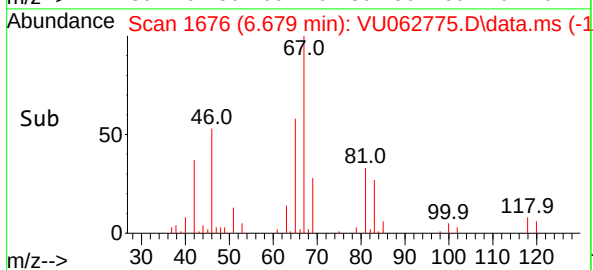
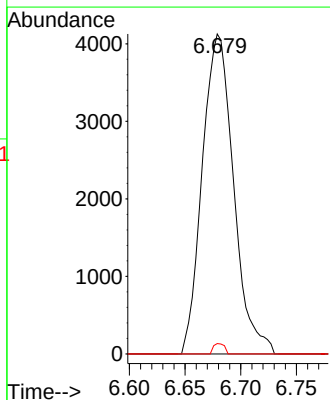
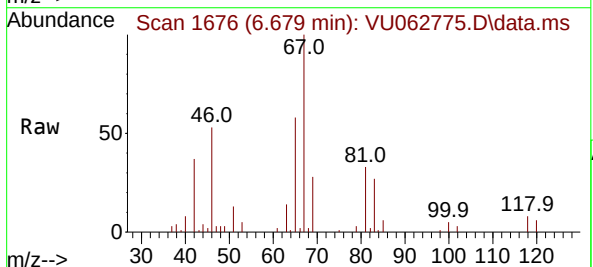


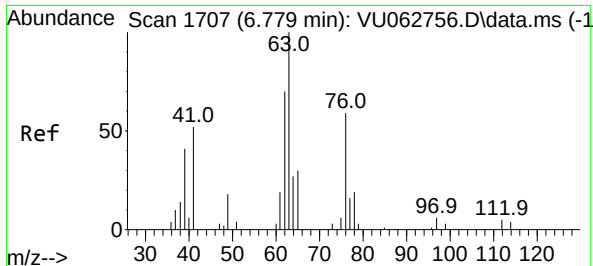
Tgt Ion:	95	Resp:	26057
Ion	Ratio	Lower	Upper
95	100		
97	60.7	47.5	88.3
132	96.7	66.9	124.3
130	98.8	68.6	127.4



#35
Methylcyclohexane
Concen: 0.756 ug/L
RT: 6.679 min Scan# 1676
Delta R.T. -0.071 min
Lab File: VU062775.D
Acq: 15 Jan 2025 18:25

Tgt Ion:	83	Resp:	8071
Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.2	85.8#
98	1.1	36.6	55.0#

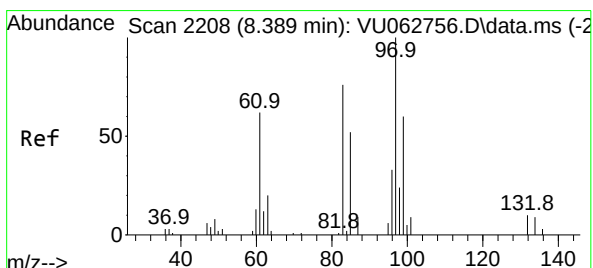
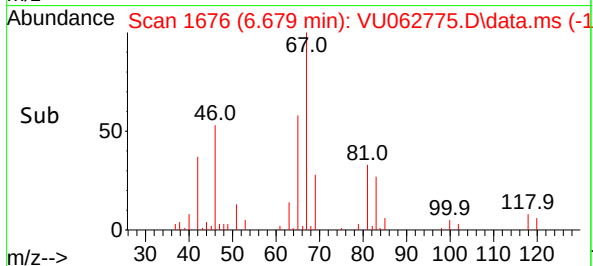
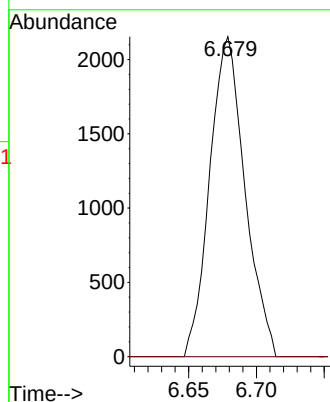
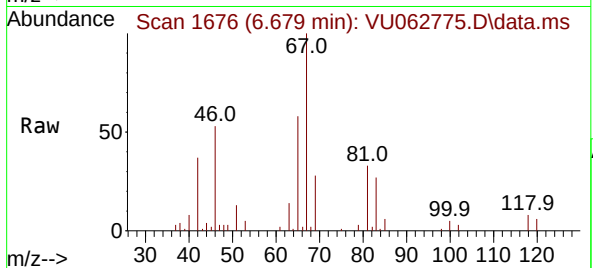




#37
1,2-Dichloropropane
Concen: 0.649 ug/L
RT: 6.679 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU062775.D
Acq: 15 Jan 2025 18:25

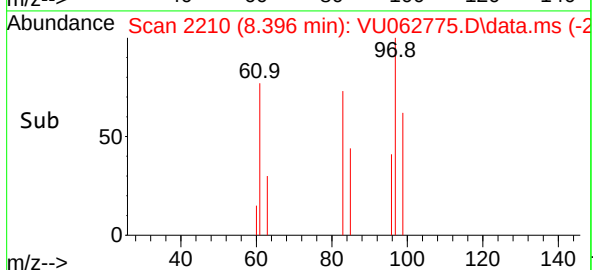
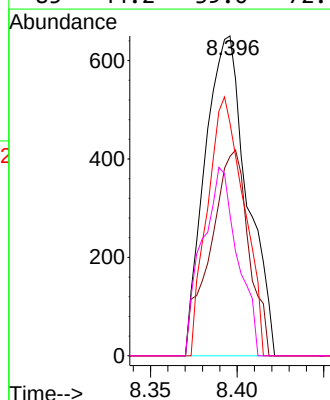
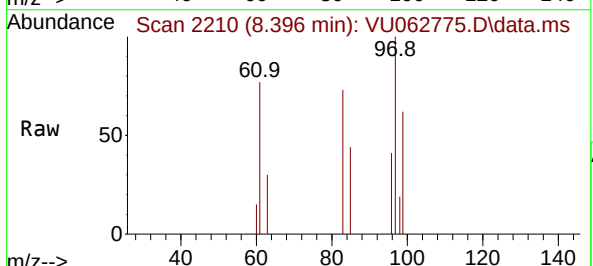
Instrument :
MSVOA_U
ClientSampleId :

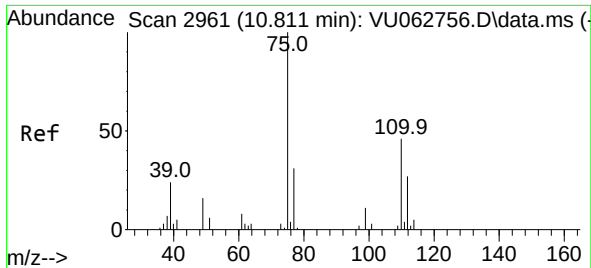
Tgt Ion: 63 Resp: 3888
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



#45
1,1,2-Trichloroethane
Concen: 0.226 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VU062775.D
Acq: 15 Jan 2025 18:25

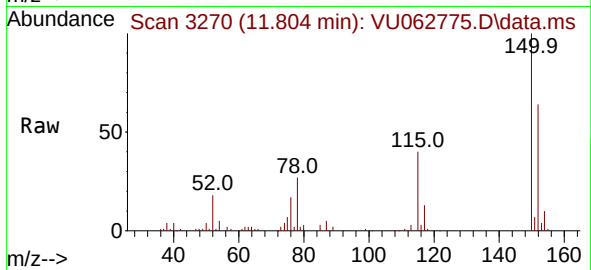
Tgt Ion: 97 Resp: 1101
Ion Ratio Lower Upper
97 100
99 62.3 45.6 84.6
83 72.8 63.0 117.0
85 44.2 39.0 72.4





#61
 1,2,3-Trichloropropane
 Concen: 1.143 ug/L
 RT: 11.804 min Scan# 31
 Delta R.T. 0.993 min
 Lab File: VU062775.D
 Acq: 15 Jan 2025 18:25

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 4174
 Ion Ratio Lower Upper
 75 100
 110 2.0 33.2 49.8#
 77 33.4 25.9 38.9

