

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011525\
 Data File : VU062786.D
 Acq On : 16 Jan 2025 00:00
 Operator : MD/SY
 Sample : P1071-14
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 02:09:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 16 01:55:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	94248	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	87210	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	41148	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	16066	3.078	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.600%
7) Chloroethane-d5	1.904	69	17003	4.049	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.000%
11) 1,1-Dichloroethene-d2	2.557	65	9259	3.424	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.400%
20) 2-Butanone-d5	4.605	46	69948	65.566	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.140%#
24) Chloroform-d	5.049	84	61831	4.815	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
26) 1,2-Dichloroethane-d4	5.689	65	37158	5.334	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.600%
32) Benzene-d6	5.714	84	98207	4.607	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.679	67	30313	5.129	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.600%
41) Toluene-d8	7.888	98	90428	4.354	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.000%
43) trans-1,3-Dichloroprop...	8.171	79	14483	4.916	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.400%
46) 2-Hexanone-d5	8.621	63	54740	59.074	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.140%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	28926	5.844	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.800%
66) 1,2-Dichlorobenzene-d4	12.184	152	36684	5.359	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.200%

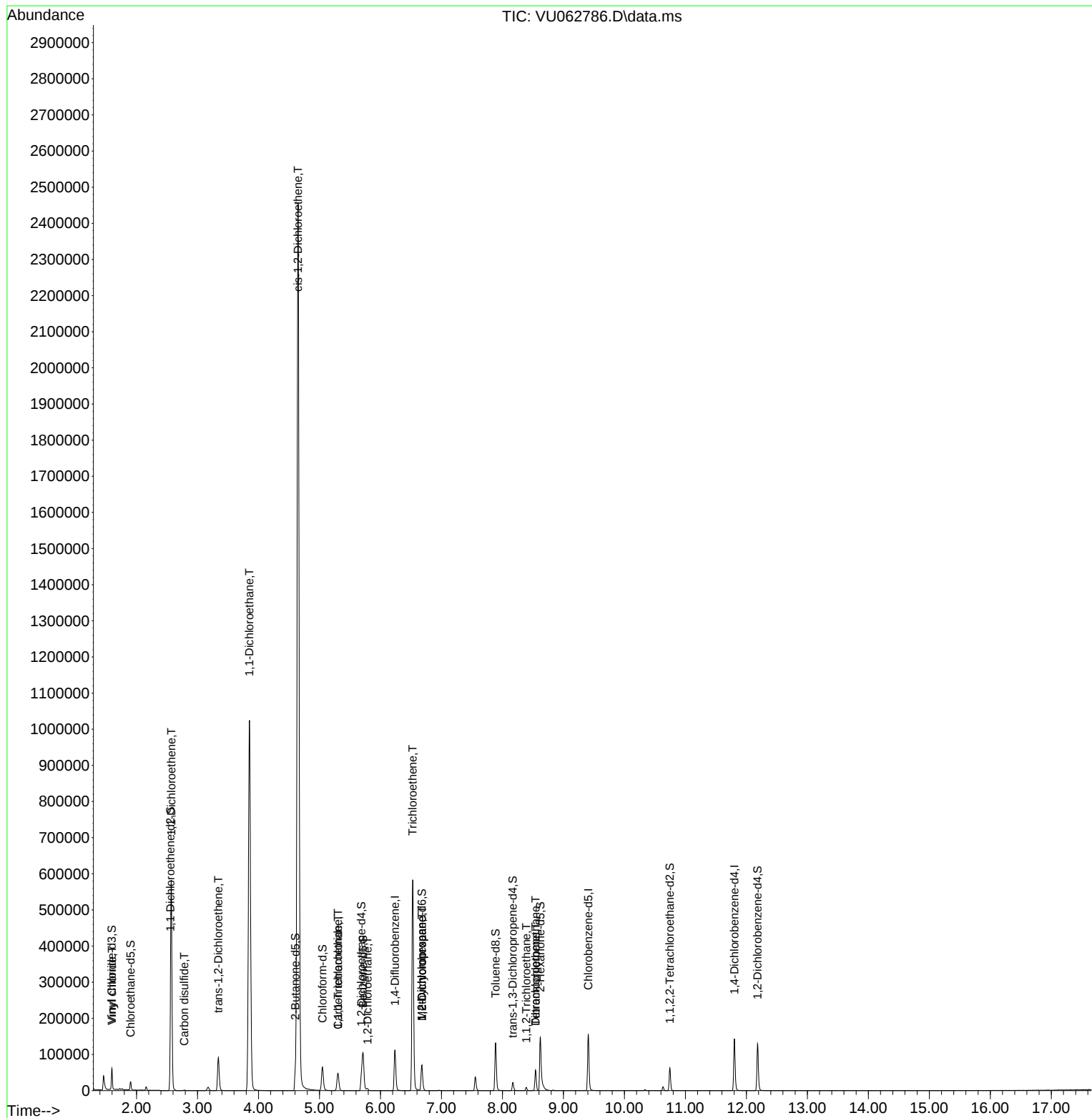
Target Compounds				Qvalue		
5) Vinyl chloride	1.599	62	5292	0.780	ug/L #	42
12) 1,1-Dichloroethene	2.570	96	189557	32.399	ug/L #	77
14) Carbon disulfide	2.782	76	2356	0.126	ug/L	97
18) trans-1,2-Dichloroethene	3.341	96	39118	6.241	ug/L	94
19) 1,1-Dichloroethane	3.853	63	1134280	101.210	ug/L	96
22) cis-1,2-Dichloroethene	4.650	96	1333321	195.328	ug/L	98
27) 1,2-Dichloroethane	5.788	62	4876	0.541	ug/L	96
29) 1,1,1-Trichloroethane	5.303	97	36199	2.736	ug/L	96
31) Carbon tetrachloride	5.306	117	4276	0.352	ug/L	95
34) Trichloroethene	6.528	95	202939	23.709	ug/L	98
35) Methylcyclohexane	6.679	83	8457	0.803	ug/L #	26
37) 1,2-Dichloropropane	6.679	63	4039	0.683	ug/L #	85
45) 1,1,2-Trichloroethane	8.390	97	2980	0.621	ug/L	87
47) Tetrachloroethene	8.544	164	12040	2.042	ug/L	91
49) Dibromochloromethane	8.544	129	11988	1.860	ug/L #	12

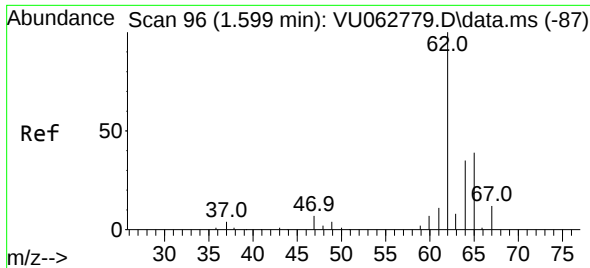
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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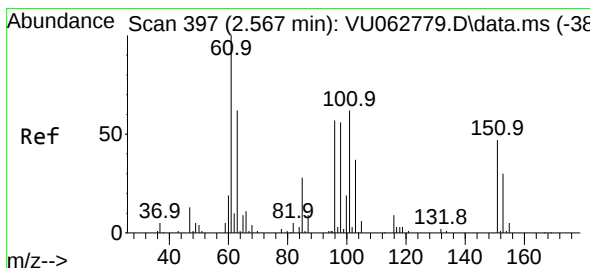
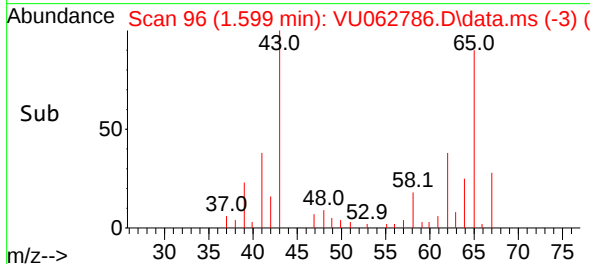
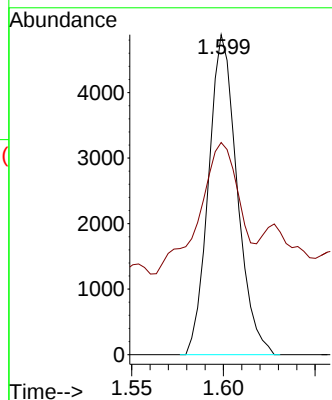
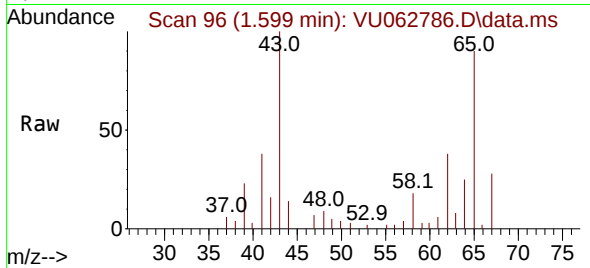




#5
 Vinyl chloride
 Concen: 0.780 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU062786.D
 Acq: 16 Jan 2025 00:00

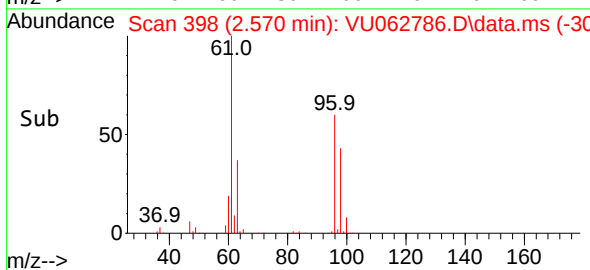
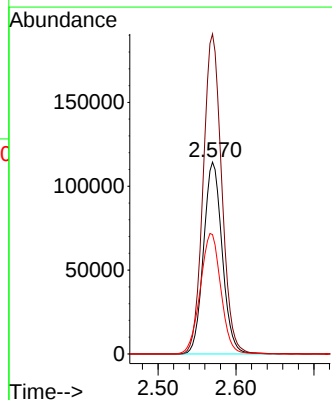
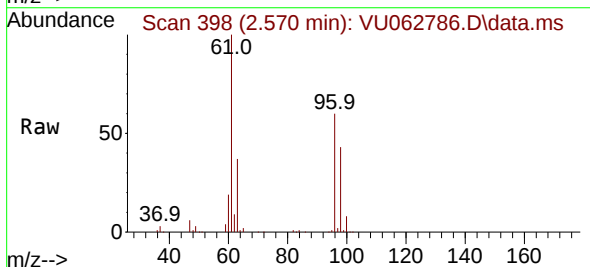
Instrument :
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 ClientSampleId :

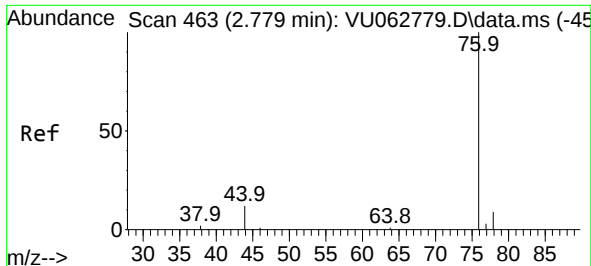
Tgt Ion: 62 Resp: 5292
 Ion Ratio Lower Upper
 62 100
 64 66.3 23.4 43.4#



#12
 1,1-Dichloroethene
 Concen: 32.399 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. 0.003 min
 Lab File: VU062786.D
 Acq: 16 Jan 2025 00:00

Tgt Ion: 96 Resp: 189557
 Ion Ratio Lower Upper
 96 100
 61 166.9 120.4 223.6
 63 62.3 82.3 152.9#

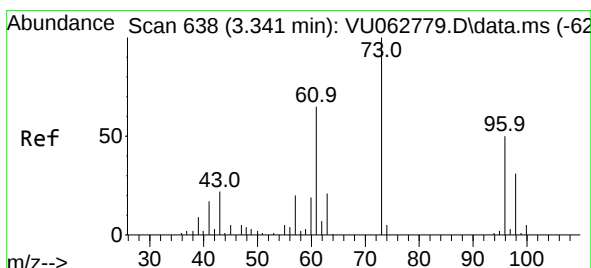
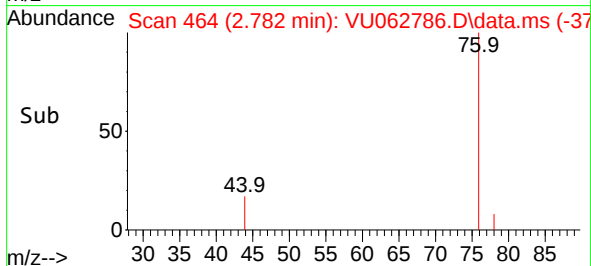
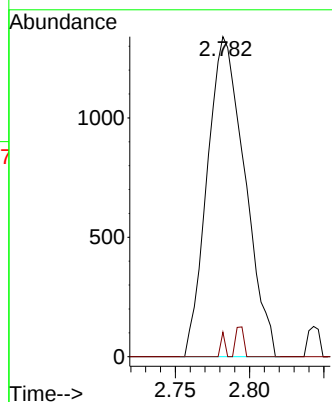
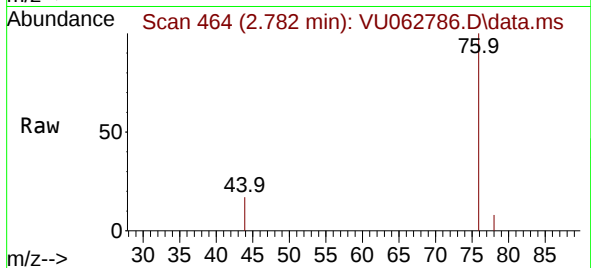




#14
Carbon disulfide
Concen: 0.126 ug/L
RT: 2.782 min Scan# 464
Delta R.T. 0.003 min
Lab File: VU062786.D
Acq: 16 Jan 2025 00:00

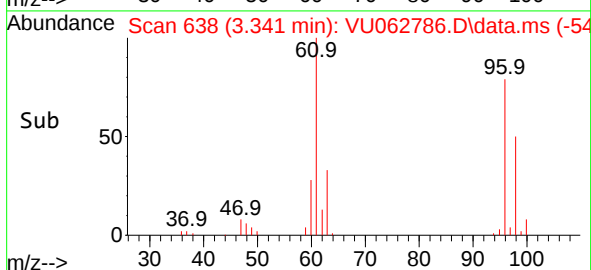
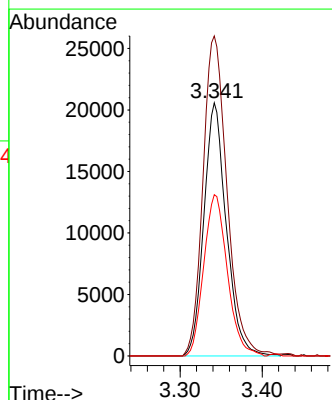
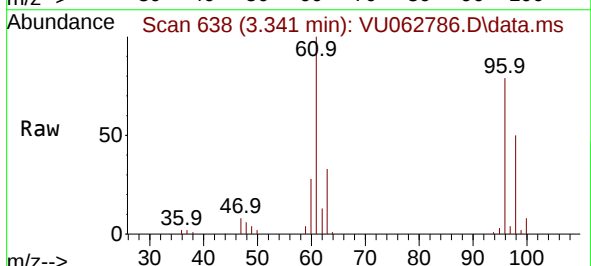
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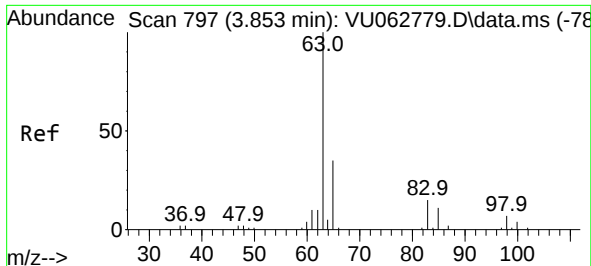
Tgt Ion: 76 Resp: 2356
Ion Ratio Lower Upper
76 100
78 7.7 7.0 10.6



#18
trans-1,2-Dichloroethene
Concen: 6.241 ug/L
RT: 3.341 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU062786.D
Acq: 16 Jan 2025 00:00

Tgt Ion: 96 Resp: 39118
Ion Ratio Lower Upper
96 100
61 126.4 94.4 175.2
98 63.7 42.8 79.4





#19

1,1-Dichloroethane

Concen: 101.210 ug/L

RT: 3.853 min Scan# 79

Delta R.T. 0.000 min

Lab File: VU062786.D

Acq: 16 Jan 2025 00:00

Instrument :

MSVOA_U

ClientSampleId :

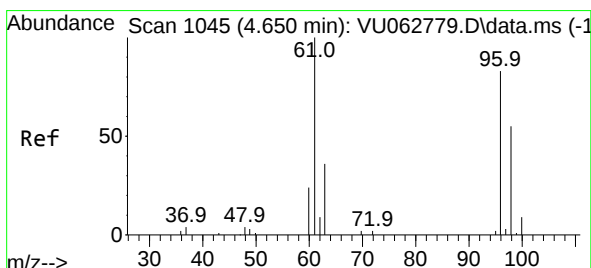
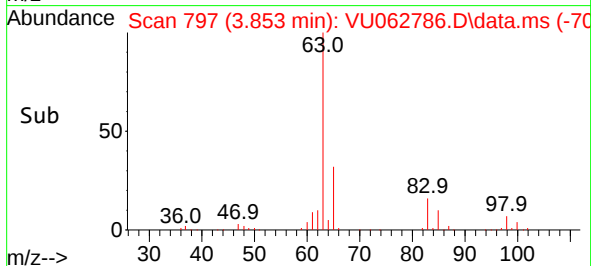
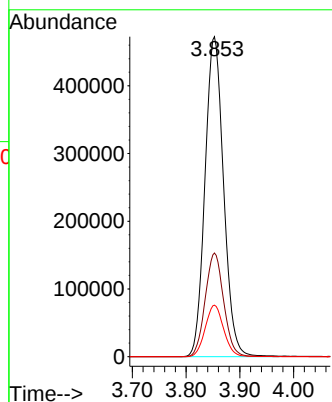
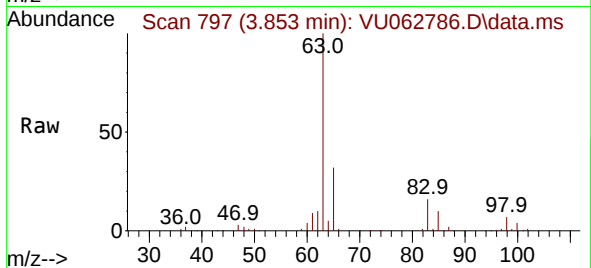
Tgt Ion: 63 Resp: 1134280

Ion Ratio Lower Upper

63 100

65 32.4 20.7 38.5

83 16.1 10.5 19.5



#22

cis-1,2-Dichloroethene

Concen: 195.328 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VU062786.D

Acq: 16 Jan 2025 00:00

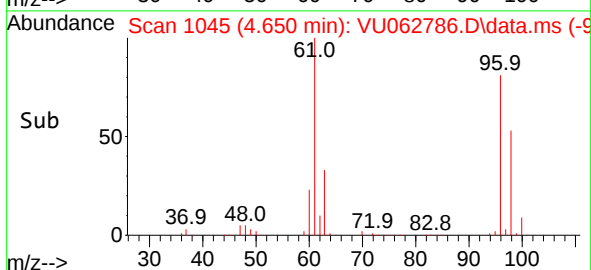
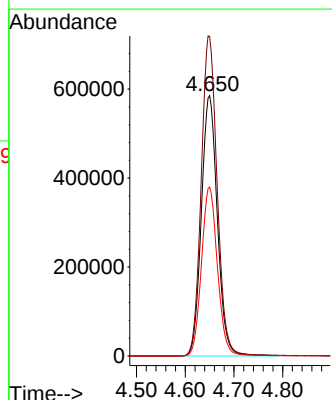
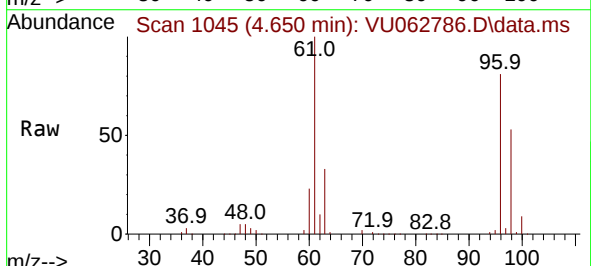
Tgt Ion: 96 Resp: 1333321

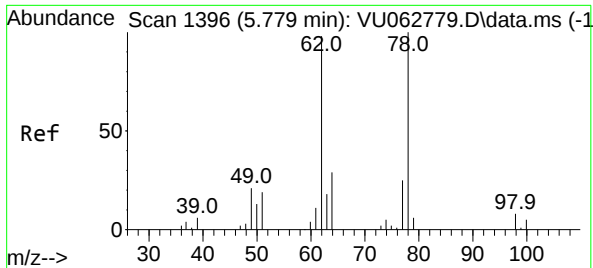
Ion Ratio Lower Upper

96 100

61 122.7 84.8 157.6

98 64.9 43.1 80.1

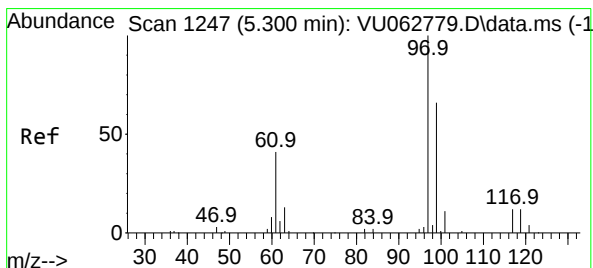
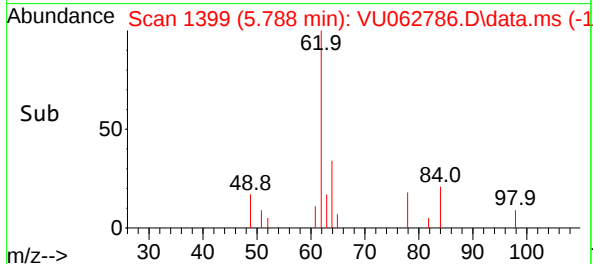
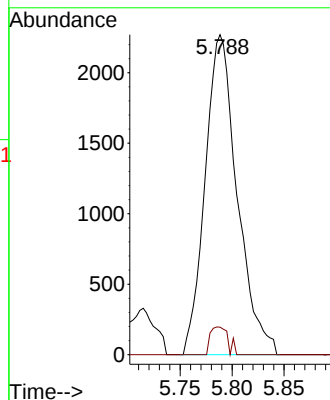
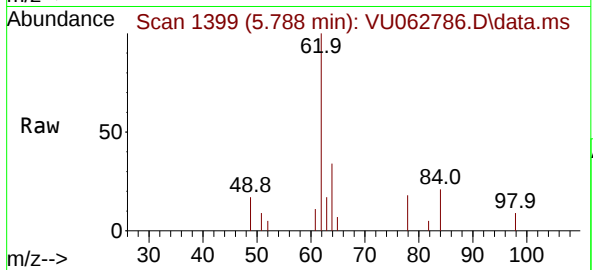




#27
1,2-Dichloroethane
Concen: 0.541 ug/L
RT: 5.788 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU062786.D
Acq: 16 Jan 2025 00:00

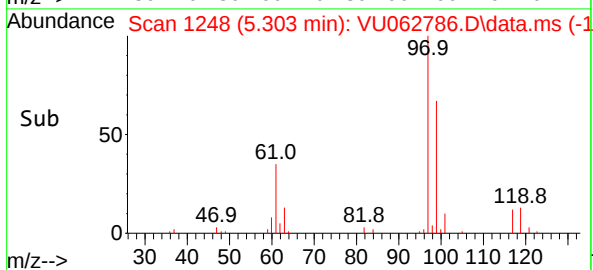
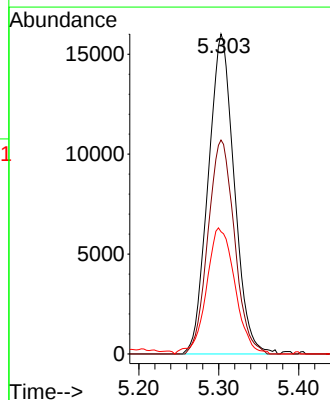
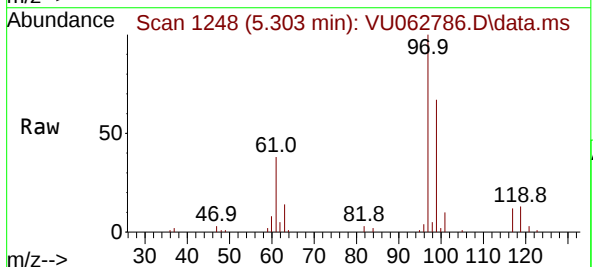
Instrument :
MSVOA_U
ClientSampleId :

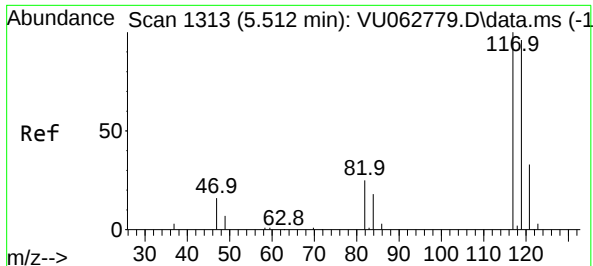
Tgt Ion: 62 Resp: 4876
Ion Ratio Lower Upper
62 100
98 8.6 5.8 8.6



#29
1,1,1-Trichloroethane
Concen: 2.736 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. 0.003 min
Lab File: VU062786.D
Acq: 16 Jan 2025 00:00

Tgt Ion: 97 Resp: 36199
Ion Ratio Lower Upper
97 100
99 68.1 52.4 78.6
61 43.0 32.2 48.4

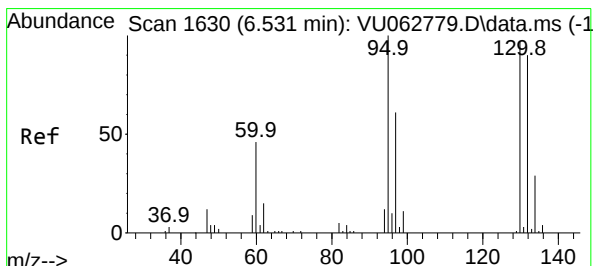
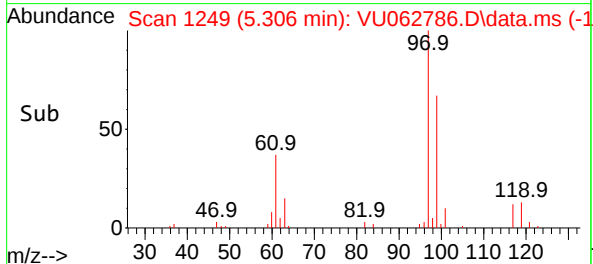
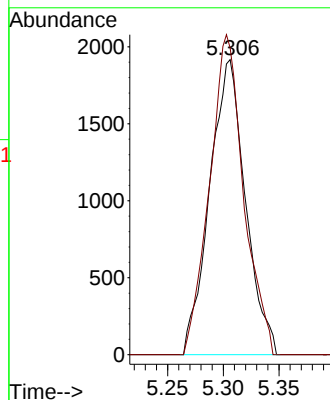
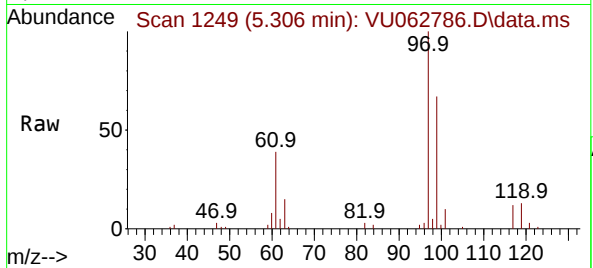




#31
Carbon tetrachloride
Concen: 0.352 ug/L
RT: 5.306 min Scan# 117
Delta R.T. -0.206 min
Lab File: VU062786.D
Acq: 16 Jan 2025 00:00

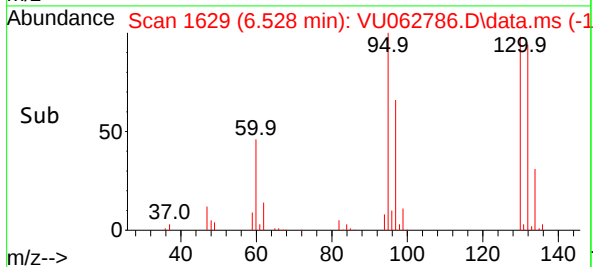
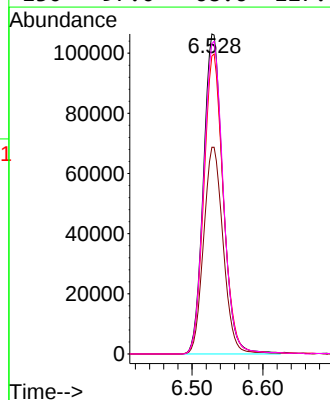
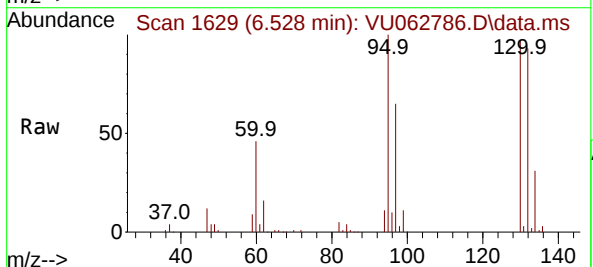
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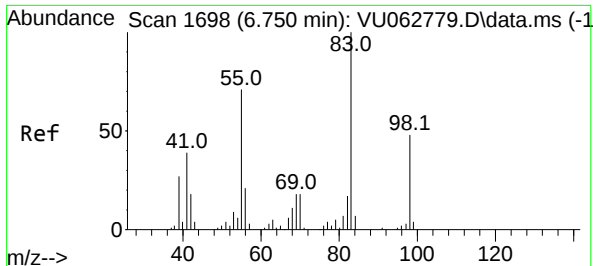
Tgt Ion:117 Resp: 4276
Ion Ratio Lower Upper
117 100
119 103.3 78.6 118.0



#34
Trichloroethene
Concen: 23.709 ug/L
RT: 6.528 min Scan# 1629
Delta R.T. -0.003 min
Lab File: VU062786.D
Acq: 16 Jan 2025 00:00

Tgt Ion: 95 Resp: 202939
Ion Ratio Lower Upper
95 100
97 64.6 47.5 88.3
132 93.1 66.9 124.3
130 97.0 68.6 127.4





#35

Methylcyclohexane

Concen: 0.803 ug/L

RT: 6.679 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU062786.D

Acq: 16 Jan 2025 00:00

Instrument :

MSVOA_U

ClientSampleId :

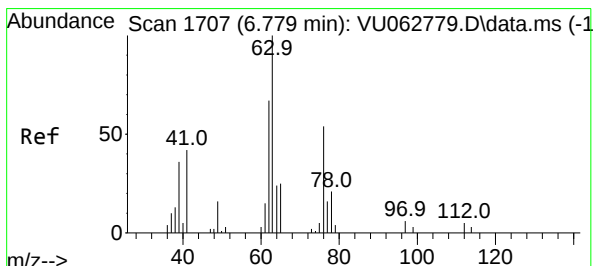
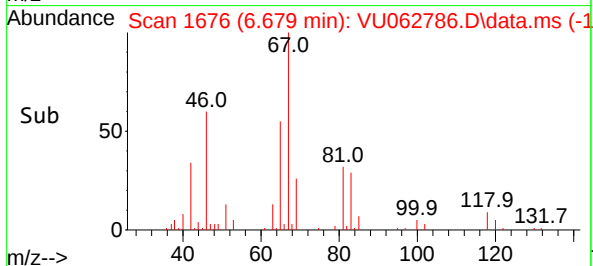
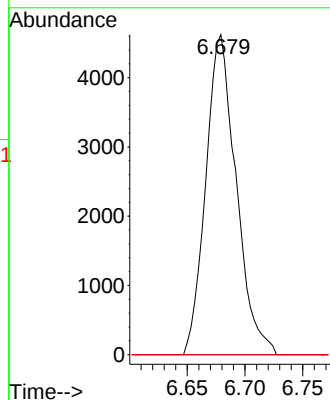
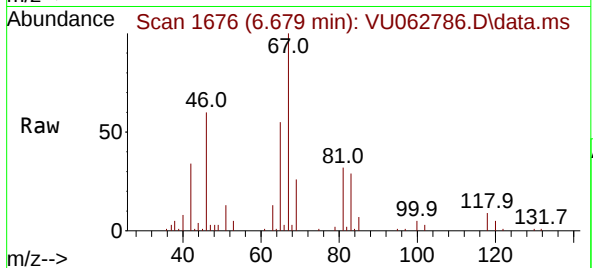
Tgt Ion: 83 Resp: 8457

Ion Ratio Lower Upper

83 100

55 0.0 57.2 85.8#

98 9.3 36.6 55.0#



#37

1,2-Dichloropropane

Concen: 0.683 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.100 min

Lab File: VU062786.D

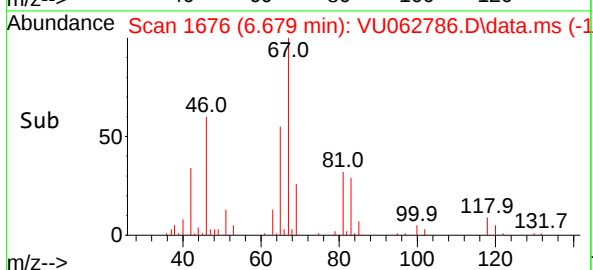
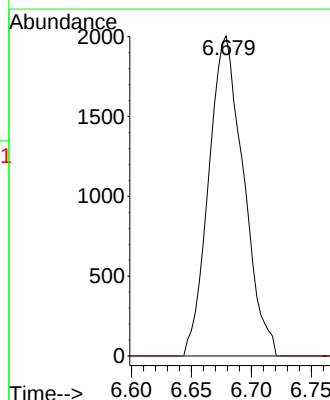
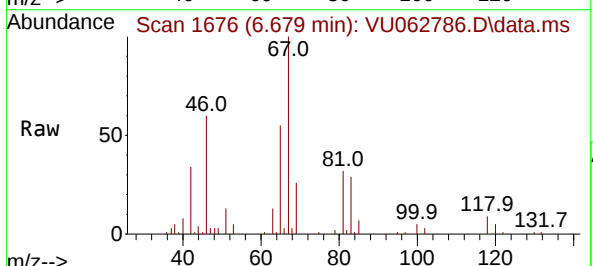
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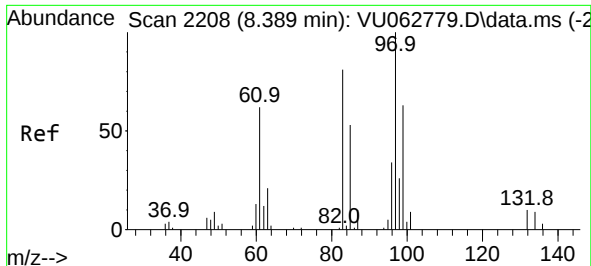
Tgt Ion: 63 Resp: 4039

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#

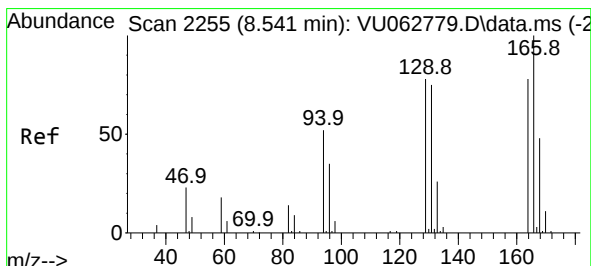
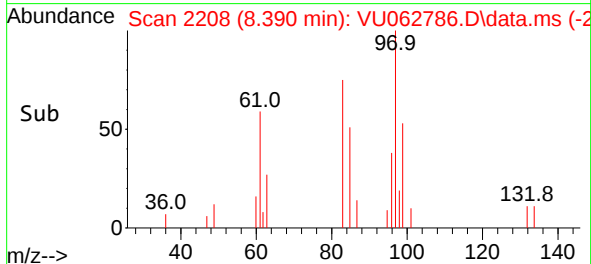
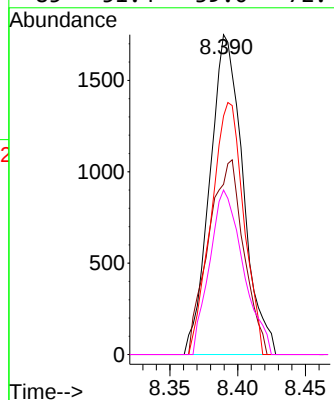
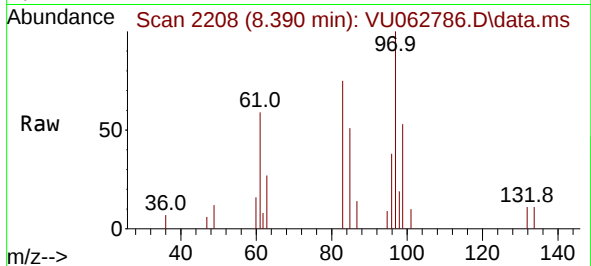




#45
1,1,2-Trichloroethane
Concen: 0.621 ug/L
RT: 8.390 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU062786.D
Acq: 16 Jan 2025 00:00

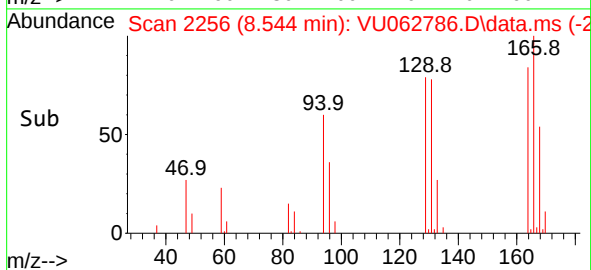
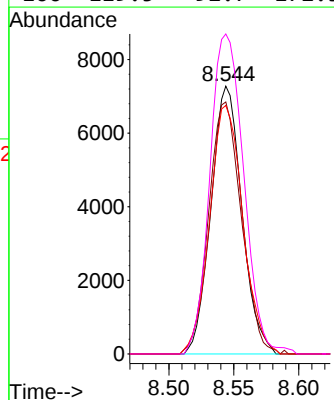
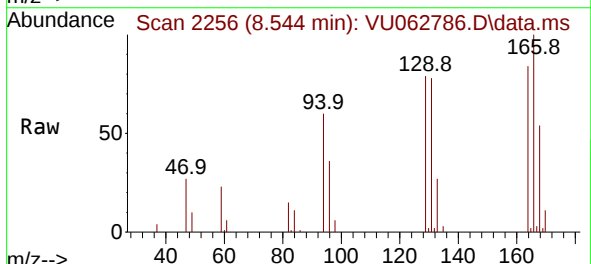
Instrument :
MSVOA_U
ClientSampleId :

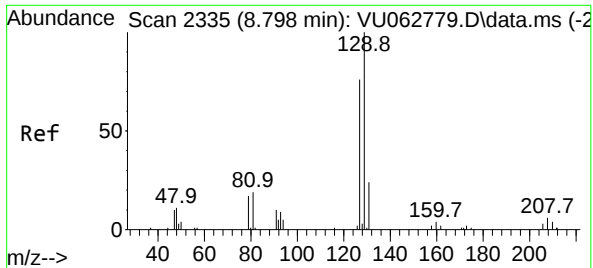
Tgt Ion:	97	Resp:	2980
Ion	Ratio	Lower	Upper
97	100		
99	53.3	45.6	84.6
83	74.6	63.0	117.0
85	51.4	39.0	72.4



#47
Tetrachloroethene
Concen: 2.042 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.003 min
Lab File: VU062786.D
Acq: 16 Jan 2025 00:00

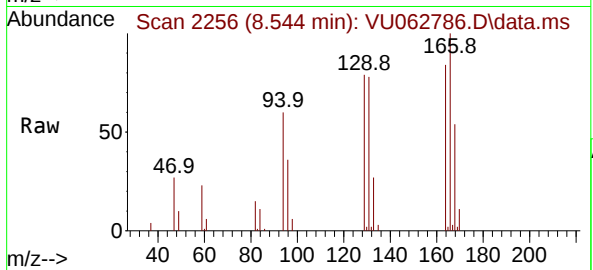
Tgt Ion:	164	Resp:	12040
Ion	Ratio	Lower	Upper
164	100		
129	94.1	71.0	131.9
131	92.8	69.4	129.0
166	119.5	92.7	172.3





#49
 Dibromochloromethane
 Concen: 1.860 ug/L
 RT: 8.544 min Scan# 21
 Delta R.T. -0.254 min
 Lab File: VU062786.D
 Acq: 16 Jan 2025 00:00

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:129 Resp: 11988
 Ion Ratio Lower Upper
 129 100
 127 0.0 52.1 96.9#

