

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011525\
 Data File : VU062788.D
 Acq On : 16 Jan 2025 00:49
 Operator : MD/SY
 Sample : P1071-16
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 02:09:56 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	6.239	114	92563	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	88638	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	41372	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	15964	3.114	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.200%
7) Chloroethane-d5	1.904	69	16066	3.896	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.000%
11) 1,1-Dichloroethene-d2	2.557	65	9517	3.584	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.600%
20) 2-Butanone-d5	4.605	46	66873	63.825	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.640%
24) Chloroform-d	5.049	84	60363	4.786	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
26) 1,2-Dichloroethane-d4	5.689	65	35494	5.188	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.800%
32) Benzene-d6	5.714	84	94570	4.365	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
36) 1,2-Dichloropropane-d6	6.679	67	29329	4.882	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.888	98	87086	4.125	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.600%
43) trans-1,3-Dichloroprop...	8.171	79	14309	4.778	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.600%
46) 2-Hexanone-d5	8.621	63	51986	55.198	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.400%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	27837	5.533	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.600%
66) 1,2-Dichlorobenzene-d4	12.184	152	35866	5.211	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	6758	1.014	ug/L #	71
12) 1,1-Dichloroethene	2.570	96	319802	55.656	ug/L #	73
18) trans-1,2-Dichloroethene	3.342	96	31669	5.144	ug/L	95
19) 1,1-Dichloroethane	3.853	63	916963	83.308	ug/L	96
22) cis-1,2-Dichloroethene	4.650	96	1140355	170.100	ug/L	97
27) 1,2-Dichloroethane	5.785	62	11223	1.267	ug/L	97
29) 1,1,1-Trichloroethane	5.303	97	19506	1.451	ug/L	96
31) Carbon tetrachloride	5.303	117	2174	0.176	ug/L	86
34) Trichloroethene	6.528	95	169035	19.430	ug/L	94
35) Methylcyclohexane	6.679	83	8601	0.803	ug/L #	26
37) 1,2-Dichloropropane	6.679	63	3959	0.659	ug/L #	85
39) cis-1,3-Dichloropropene	7.557	75	1230	0.120	ug/L #	80
45) 1,1,2-Trichloroethane	8.396	97	2789	0.572	ug/L	86
47) Tetrachloroethene	8.544	164	3380	0.564	ug/L	85
49) Dibromochloromethane	8.544	129	2899	0.443	ug/L #	12
61) 1,2,3-Trichloropropane	11.807	75	4470	1.218	ug/L #	64

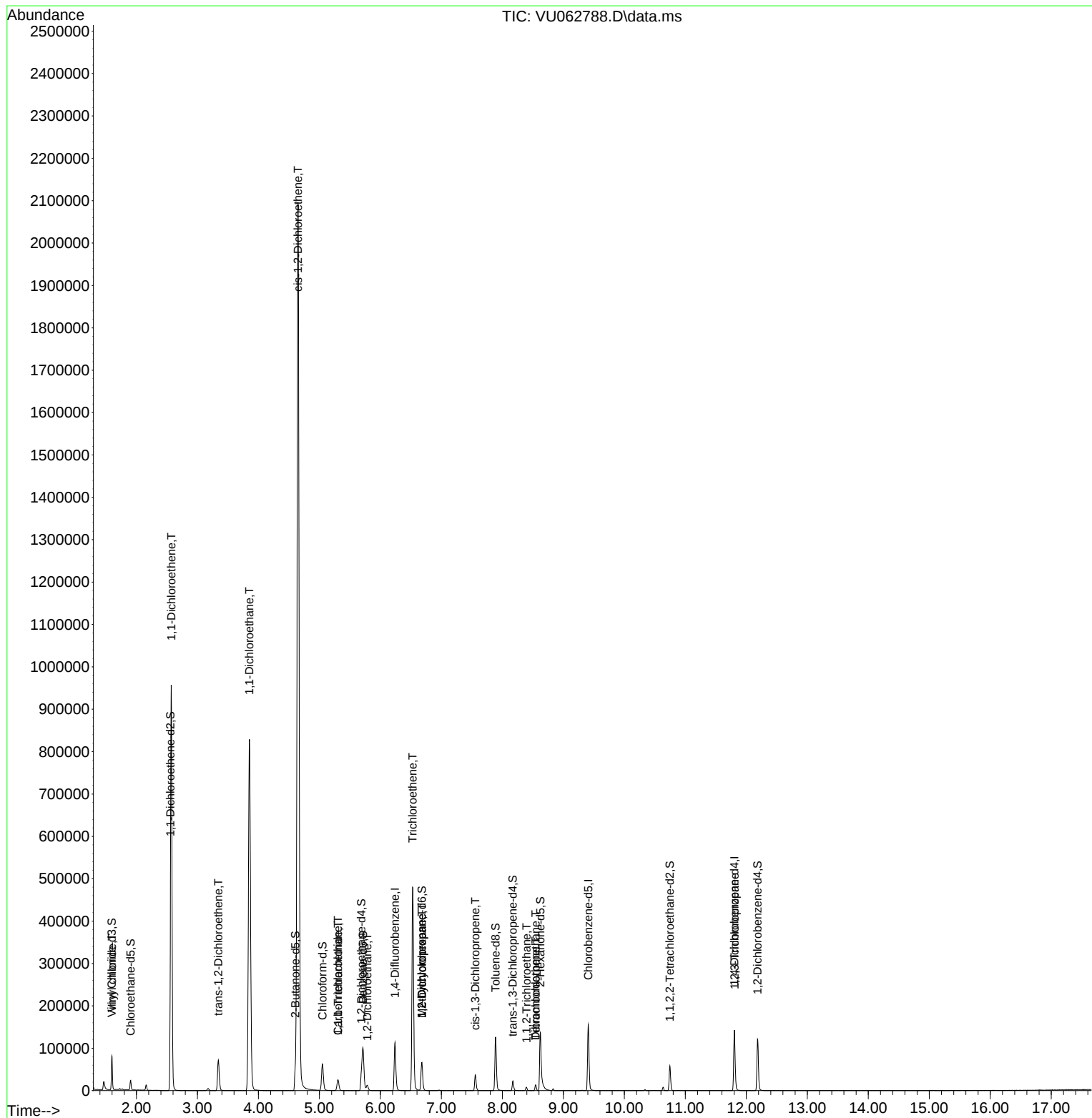
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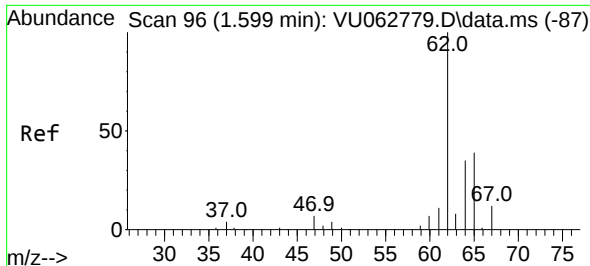
Instrument :
MSVOA_U
ClientSampleId :

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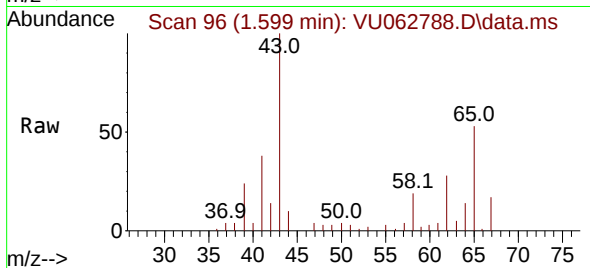
Quant Time: Jan 16 02:09:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
Quant Title : TRACE VOA SFAM1.0
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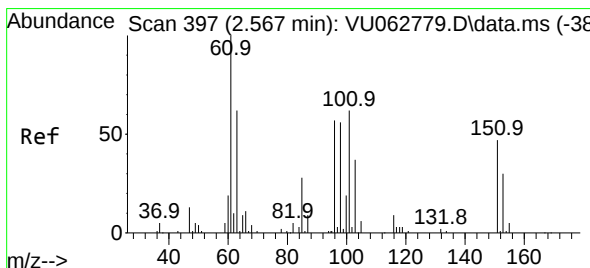
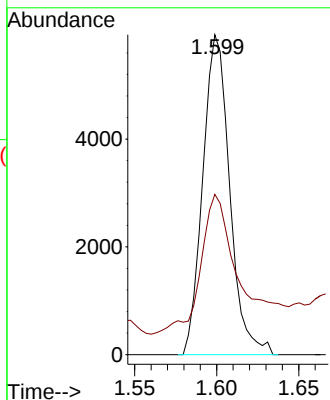
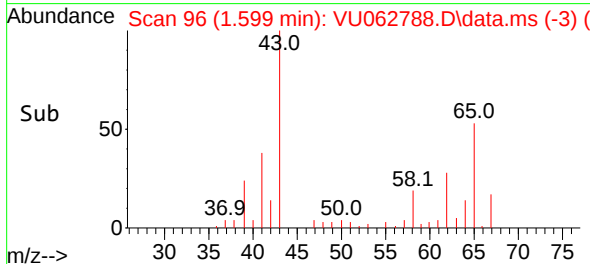


#5
 Vinyl chloride
 Concen: 1.014 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU062788.D
 Acq: 16 Jan 2025 00:49

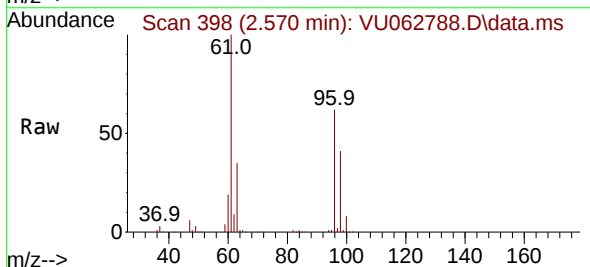
Instrument :
 MSVOA_U
 ClientSampleId :



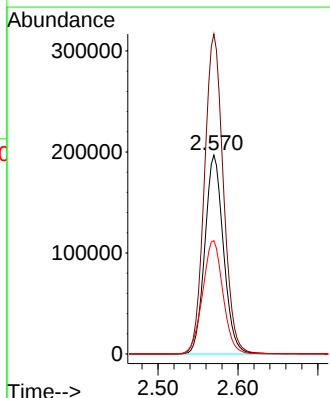
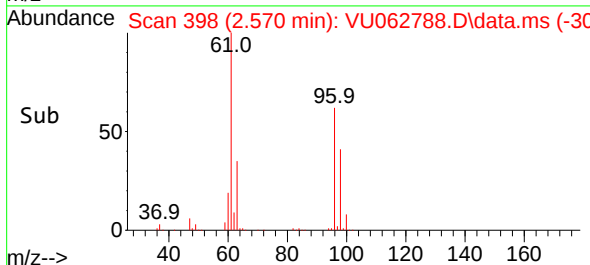
Tgt Ion: 62 Resp: 6758
 Ion Ratio Lower Upper
 62 100
 64 50.1 23.4 43.4#

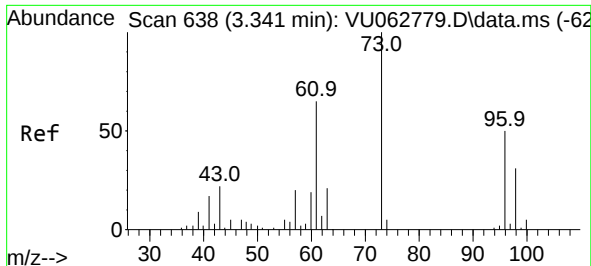


#12
 1,1-Dichloroethene
 Concen: 55.656 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. 0.003 min
 Lab File: VU062788.D
 Acq: 16 Jan 2025 00:49



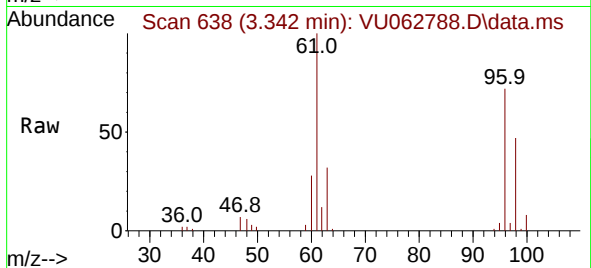
Tgt Ion: 96 Resp: 319802
 Ion Ratio Lower Upper
 96 100
 61 161.0 120.4 223.6
 63 57.0 82.3 152.9#





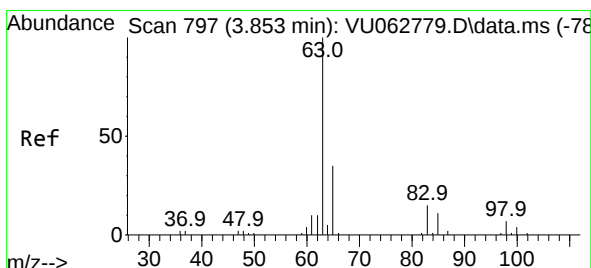
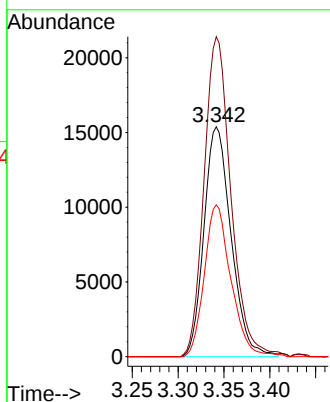
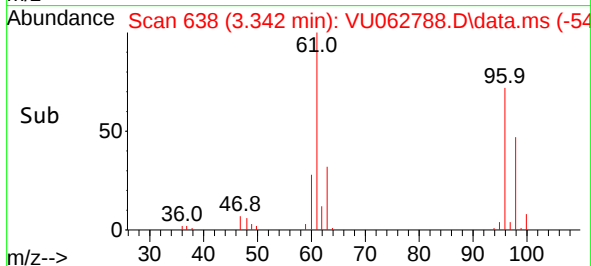
#18
trans-1,2-Dichloroethene
Concen: 5.144 ug/L
RT: 3.342 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU062788.D
Acq: 16 Jan 2025 00:49

Instrument :
MSVOA_U
ClientSampleId :

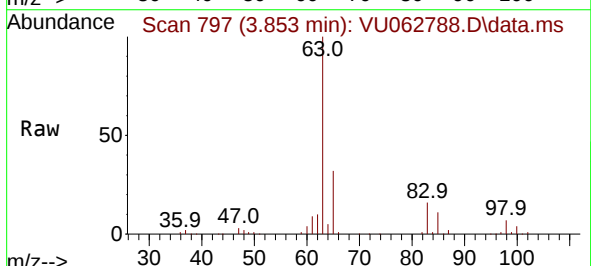


Tgt Ion: 96 Resp: 31669

Ion	Ratio	Lower	Upper
96	100		
61	139.2	94.4	175.2
98	66.1	42.8	79.4

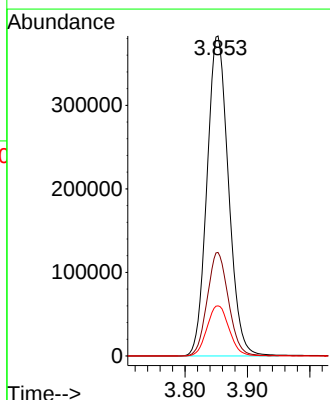
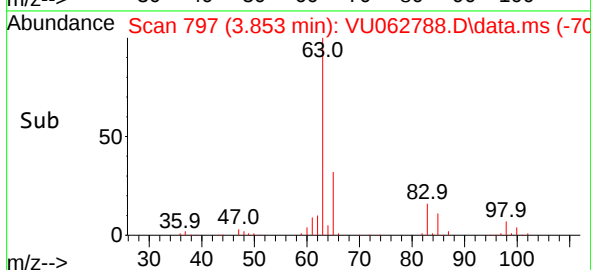


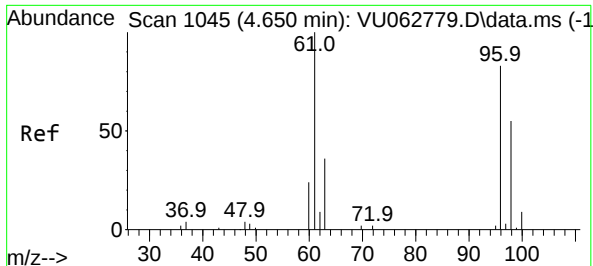
#19
1,1-Dichloroethane
Concen: 83.308 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU062788.D
Acq: 16 Jan 2025 00:49



Tgt Ion: 63 Resp: 916963

Ion	Ratio	Lower	Upper
63	100		
65	32.4	20.7	38.5
83	15.7	10.5	19.5





#22

cis-1,2-Dichloroethene

Concen: 170.100 ug/L

RT: 4.650 min Scan# 110

Delta R.T. 0.000 min

Lab File: VU062788.D

Acq: 16 Jan 2025 00:49

Instrument :

MSVOA_U

ClientSampleId :

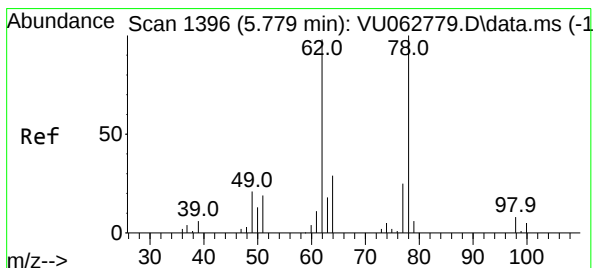
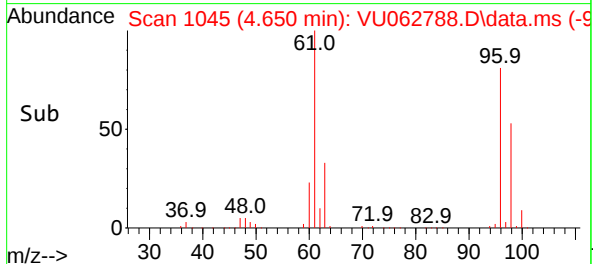
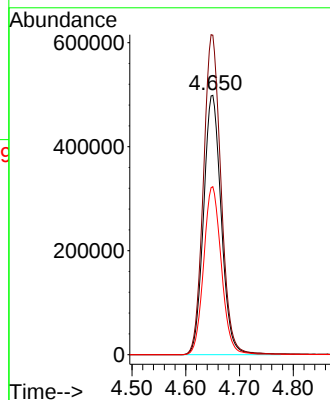
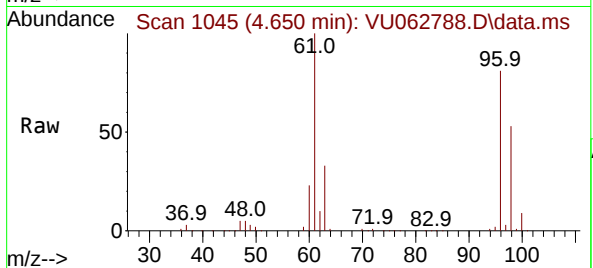
Tgt Ion: 96 Resp: 1140355

Ion Ratio Lower Upper

96 100

61 123.2 84.8 157.6

98 64.8 43.1 80.1



#27

1,2-Dichloroethane

Concen: 1.267 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.007 min

Lab File: VU062788.D

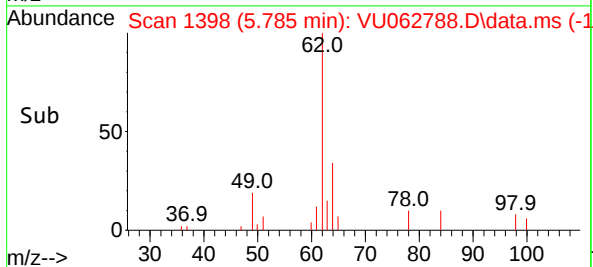
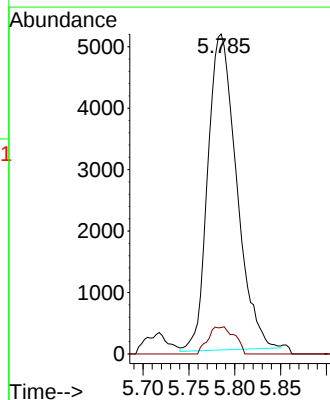
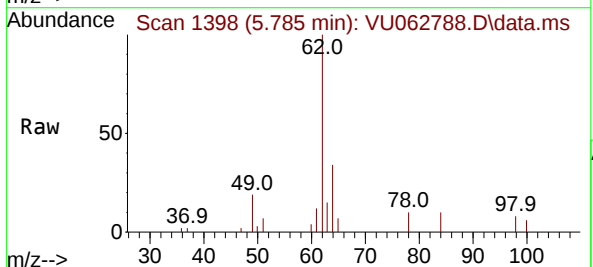
Acq: 16 Jan 2025 00:49

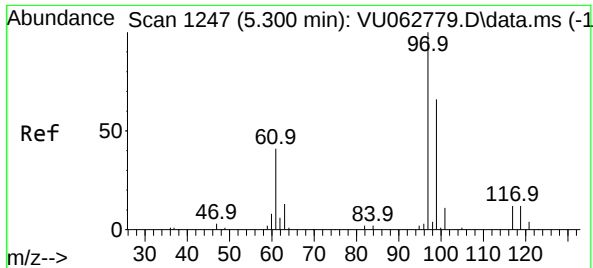
Tgt Ion: 62 Resp: 11223

Ion Ratio Lower Upper

62 100

98 8.3 5.8 8.6





#29

1,1,1-Trichloroethane

Concen: 1.451 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VU062788.D

Acq: 16 Jan 2025 00:49

Instrument :

MSVOA_U

ClientSampleId :

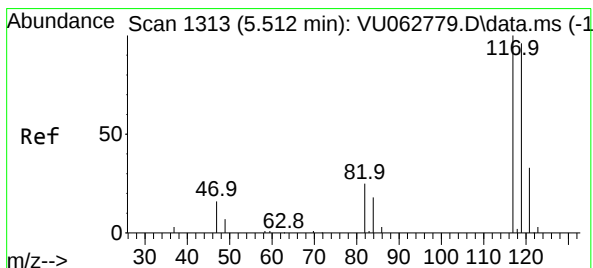
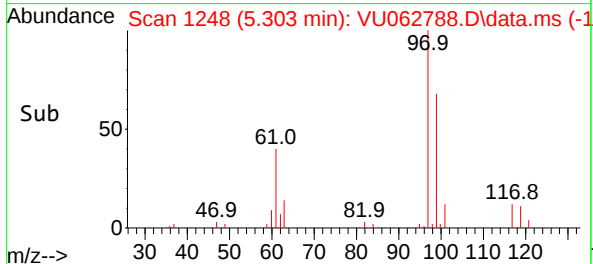
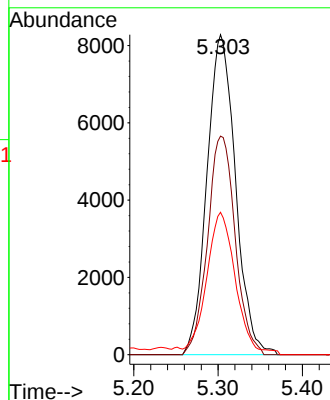
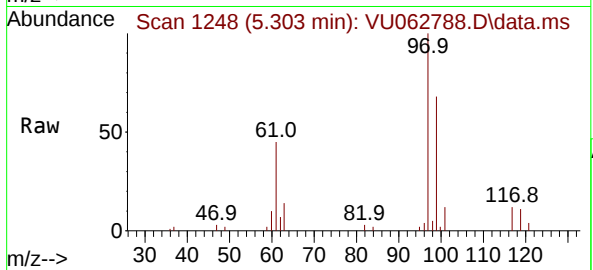
Tgt Ion: 97 Resp: 19506

Ion Ratio Lower Upper

97 100

99 66.2 52.4 78.6

61 45.3 32.2 48.4



#31

Carbon tetrachloride

Concen: 0.176 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.209 min

Lab File: VU062788.D

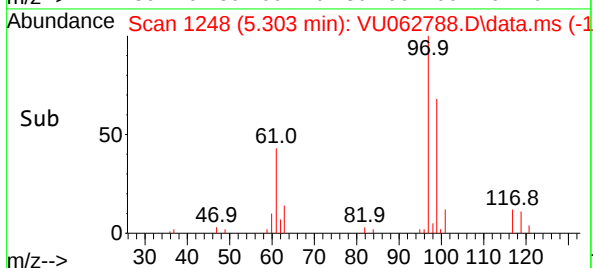
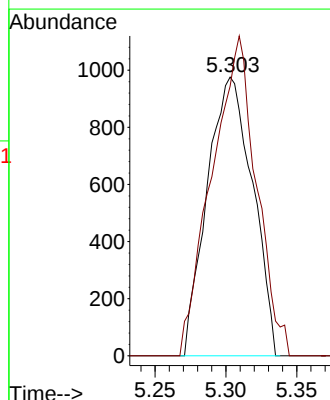
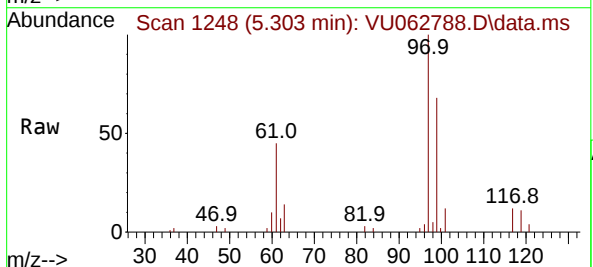
Acq: 16 Jan 2025 00:49

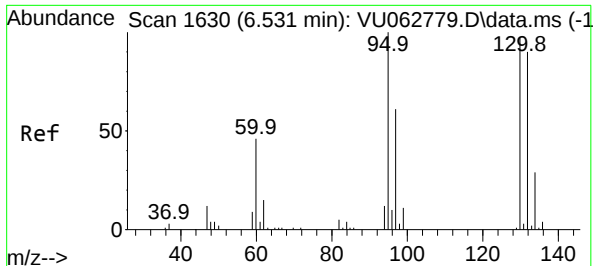
Tgt Ion: 117 Resp: 2174

Ion Ratio Lower Upper

117 100

119 112.5 78.6 118.0





#34

Trichloroethene

Concen: 19.430 ug/L

RT: 6.528 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU062788.D

Acq: 16 Jan 2025 00:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 169035

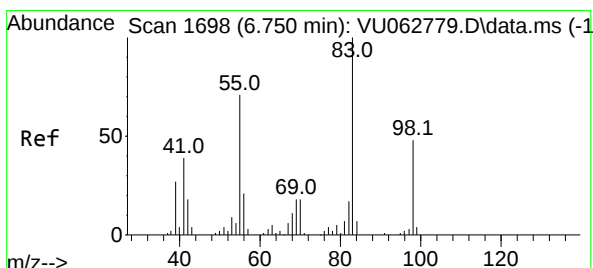
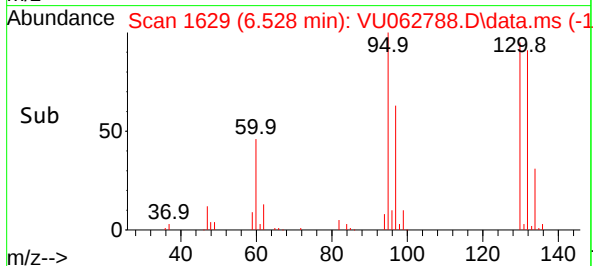
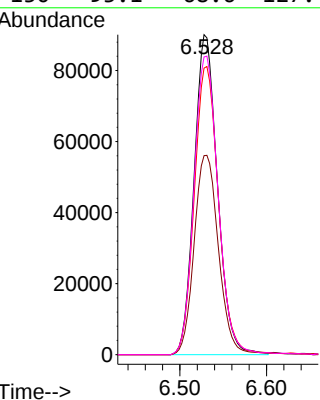
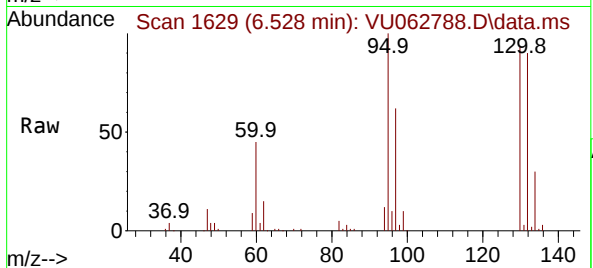
Ion Ratio Lower Upper

95 100

97 62.2 47.5 88.3

132 89.5 66.9 124.3

130 93.1 68.6 127.4



#35

Methylcyclohexane

Concen: 0.803 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.071 min

Lab File: VU062788.D

Acq: 16 Jan 2025 00:49

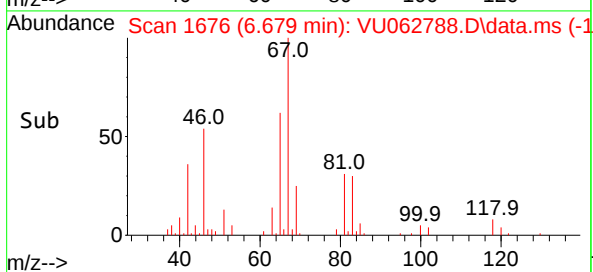
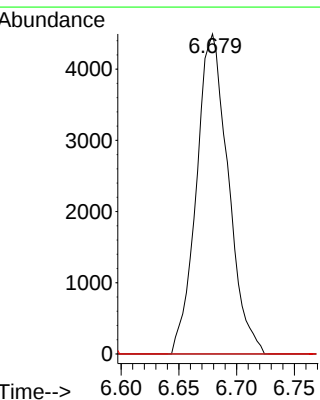
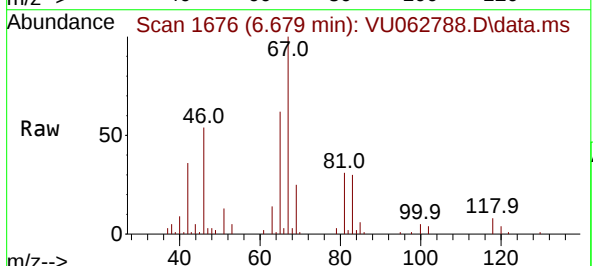
Tgt Ion: 83 Resp: 8601

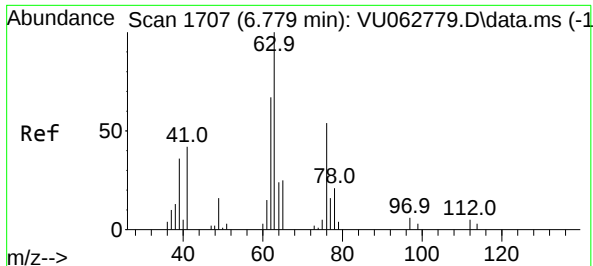
Ion Ratio Lower Upper

83 100

55 0.0 57.2 85.8#

98 8.8 36.6 55.0#

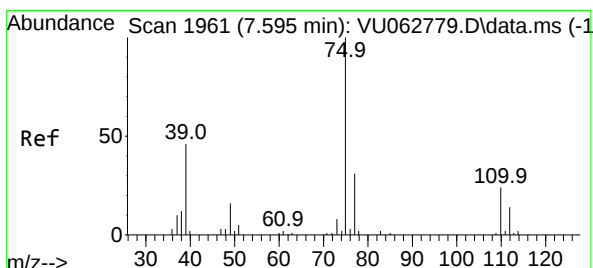
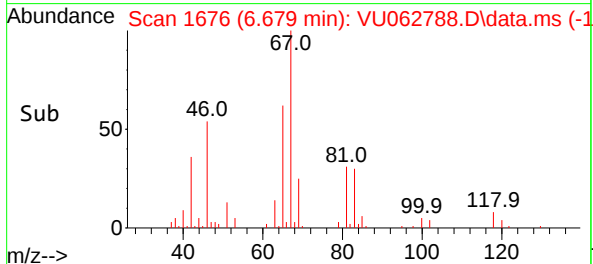
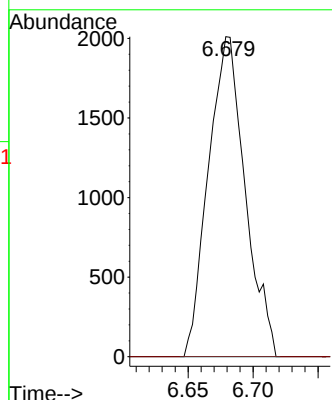
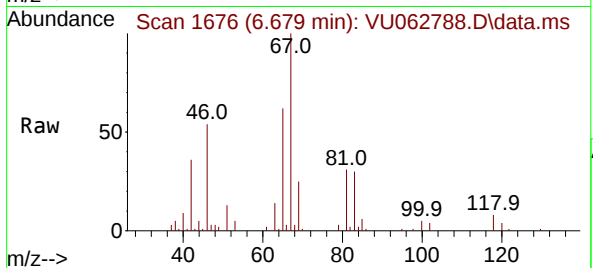




#37
1,2-Dichloropropane
Concen: 0.659 ug/L
RT: 6.679 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU062788.D
Acq: 16 Jan 2025 00:49

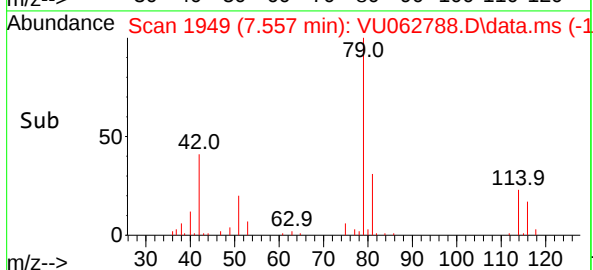
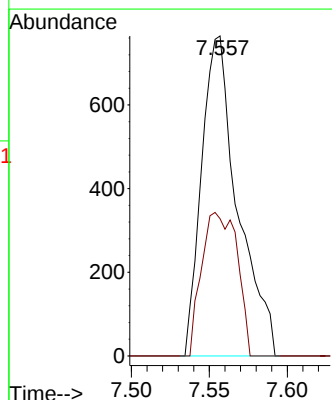
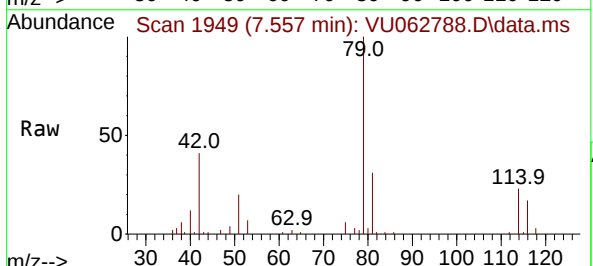
Instrument :
MSVOA_U
ClientSampleId :

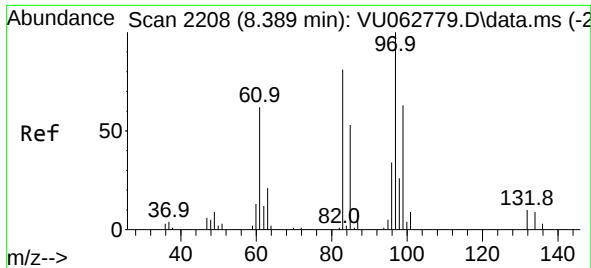
Tgt Ion: 63 Resp: 3959
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



#39
cis-1,3-Dichloropropene
Concen: 0.120 ug/L
RT: 7.557 min Scan# 1949
Delta R.T. -0.038 min
Lab File: VU062788.D
Acq: 16 Jan 2025 00:49

Tgt Ion: 75 Resp: 1230
Ion Ratio Lower Upper
75 100
77 42.9 22.3 41.3#



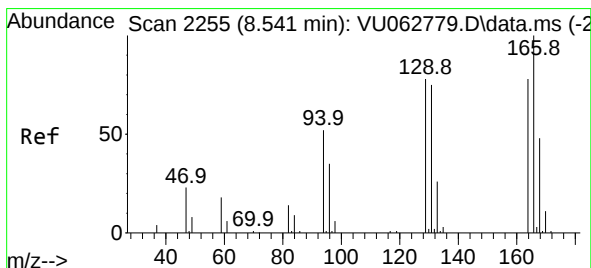
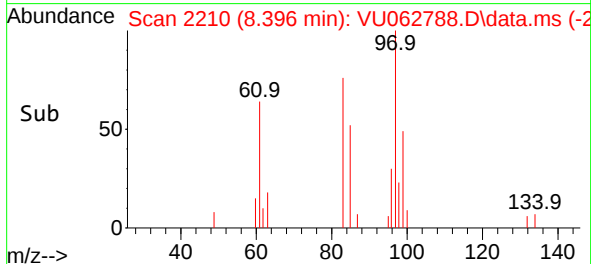
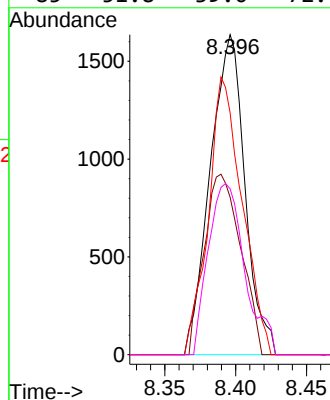
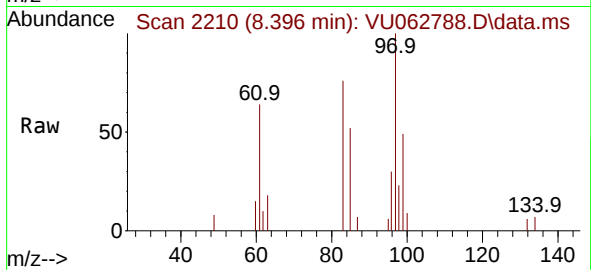


#45
1,1,2-Trichloroethane
Concen: 0.572 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.007 min
Lab File: VU062788.D
Acq: 16 Jan 2025 00:49

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 2789

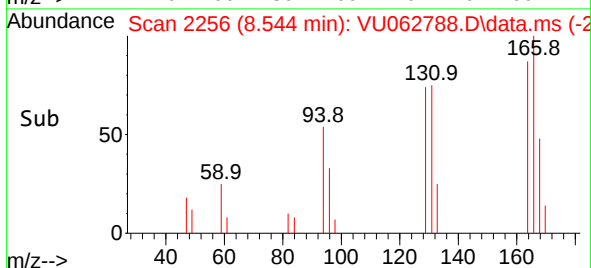
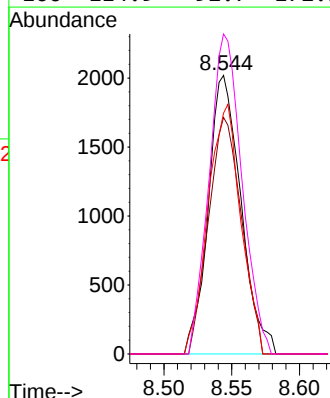
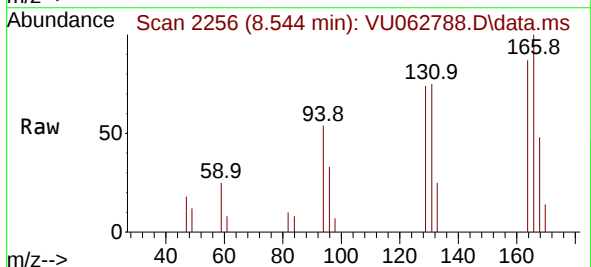
Ion	Ratio	Lower	Upper
97	100		
99	49.2	45.6	84.6
83	75.6	63.0	117.0
85	51.8	39.0	72.4

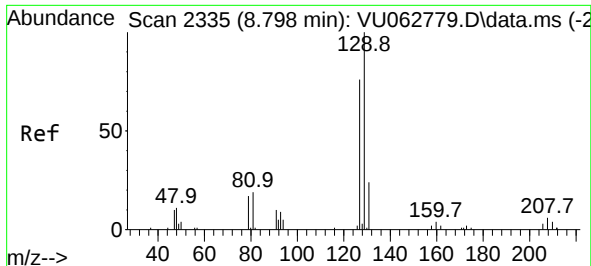


#47
Tetrachloroethene
Concen: 0.564 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.003 min
Lab File: VU062788.D
Acq: 16 Jan 2025 00:49

Tgt Ion: 164 Resp: 3380

Ion	Ratio	Lower	Upper
164	100		
129	84.9	71.0	131.9
131	86.4	69.4	129.0
166	114.9	92.7	172.3





#49

Dibromochloromethane

Concen: 0.443 ug/L

RT: 8.544 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU062788.D

Acq: 16 Jan 2025 00:49

Instrument :

MSVOA_U

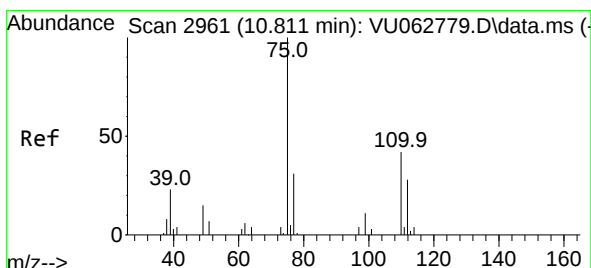
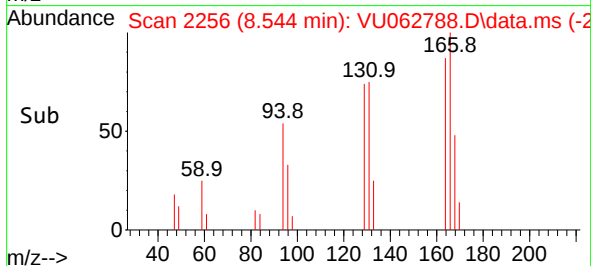
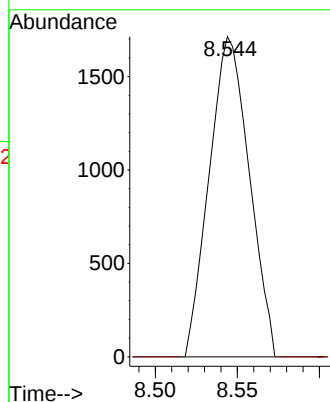
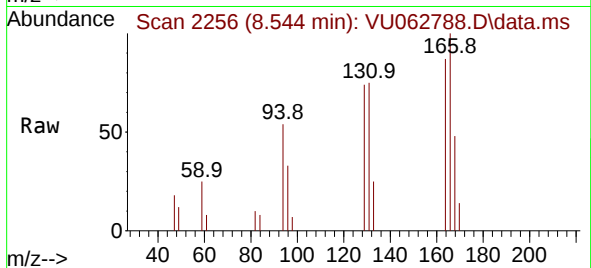
ClientSampleId :

Tgt Ion:129 Resp: 2899

Ion Ratio Lower Upper

129 100

127 0.0 52.1 96.9#



#61

1,2,3-Trichloropropane

Concen: 1.218 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.997 min

Lab File: VU062788.D

Acq: 16 Jan 2025 00:49

Tgt Ion: 75 Resp: 4470

Ion Ratio Lower Upper

75 100

110 1.5 33.2 49.8#

77 32.5 25.9 38.9

