

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011425\
 Data File : VU062733.D
 Acq On : 14 Jan 2025 10:45
 Operator : MD/SY
 Sample : Q1058-04
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 00:32:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 15 00:31:11 2025
 Response via : Initial Calibration

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

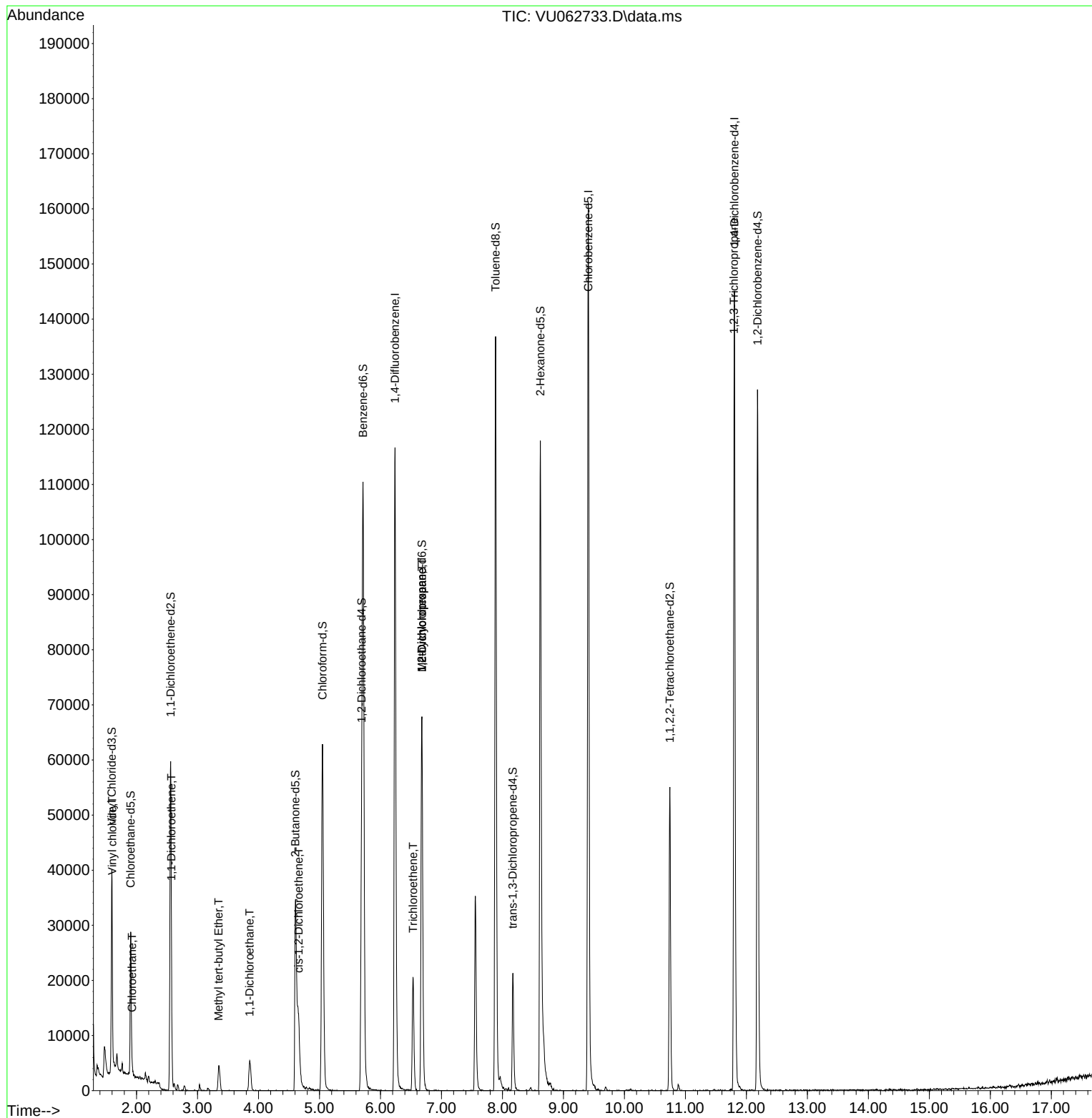
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	95108	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	91566	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	42361	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	20163	3.828	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	76.600%	
7) Chloroethane-d5	1.904	69	18190	4.293	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	85.800%	
11) 1,1-Dichloroethene-d2	2.560	65	10977	4.023	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	80.400%	
20) 2-Butanone-d5	4.605	46	50885	47.266	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	94.540%	
24) Chloroform-d	5.049	84	62233	4.802	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.000%	
26) 1,2-Dichloroethane-d4	5.692	65	35853	5.100	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	102.000%	
32) Benzene-d6	5.714	84	103929	4.643	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	92.800%	
36) 1,2-Dichloropropane-d6	6.679	67	30675	4.943	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	98.800%	
41) Toluene-d8	7.888	98	93869	4.305	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	86.000%	
43) trans-1,3-Dichloroprop...	8.171	79	13908	4.496	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	90.000%	
46) 2-Hexanone-d5	8.621	63	42987	44.183	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	88.360%	
56) 1,1,2,2-Tetrachloroeth...	10.746	84	26264	5.053	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	101.000%	
66) 1,2-Dichlorobenzene-d4	12.183	152	36053	5.116	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	102.400%	
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	4960	0.724	ug/L #	42
8) Chloroethane	1.927	64	1000	0.243	ug/L #	71
12) 1,1-Dichloroethene	2.573	96	1586	0.269	ug/L #	1
17) Methyl tert-butyl Ether	3.348	73	5473	0.337	ug/L	96
19) 1,1-Dichloroethane	3.856	63	7015	0.620	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	5697	0.827	ug/L	96
34) Trichloroethene	6.534	95	7237	0.805	ug/L	96
35) Methylcyclohexane	6.679	83	8664	0.783	ug/L #	25
37) 1,2-Dichloropropane	6.679	63	3847	0.620	ug/L #	85
61) 1,2,3-Trichloropropane	11.798	75	4652	1.238	ug/L #	61

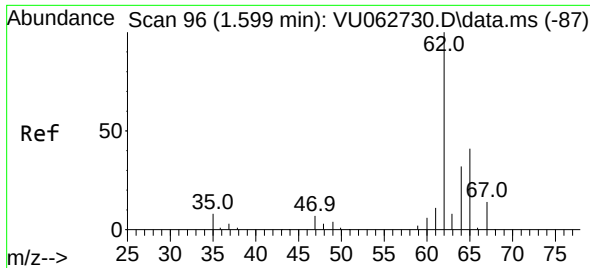
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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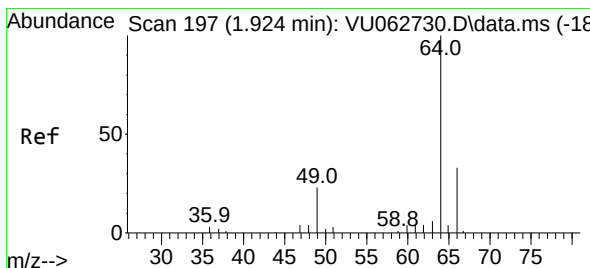
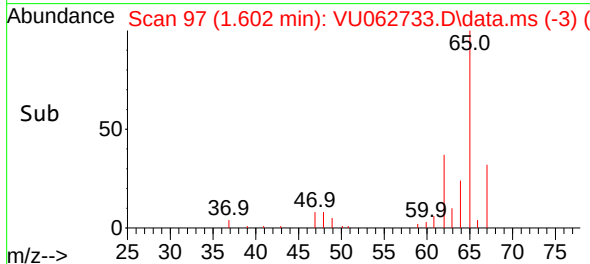
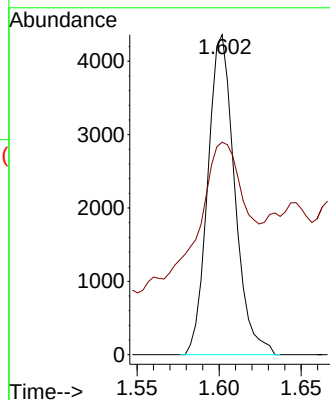
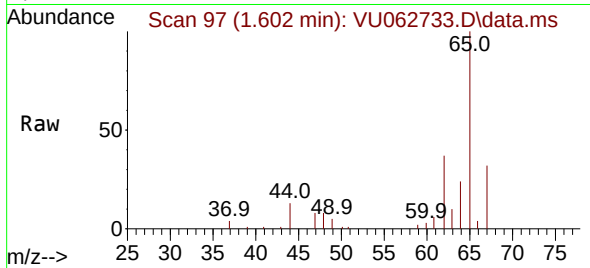




#5
 Vinyl chloride
 Concen: 0.724 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU062733.D
 Acq: 14 Jan 2025 10:45

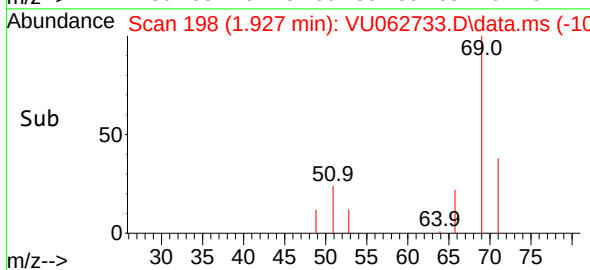
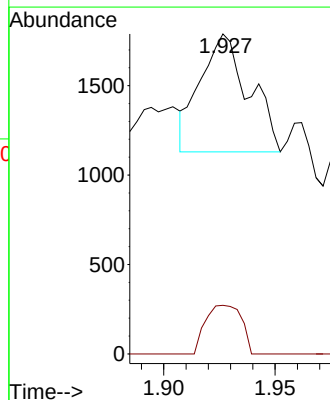
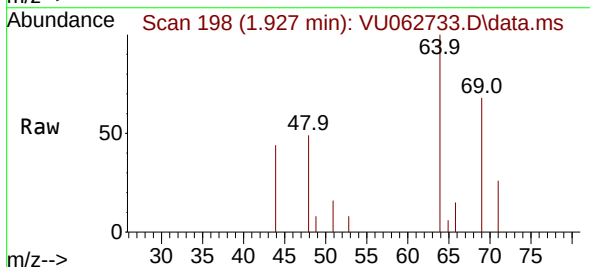
Instrument :
 MSVOA_U
 ClientSampleId :

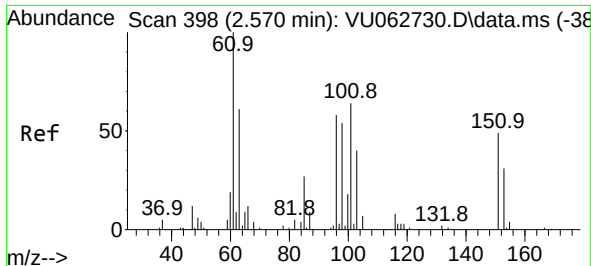
Tgt Ion: 62 Resp: 4960
 Ion Ratio Lower Upper
 62 100
 64 66.4 23.4 43.4#



#8
 Chloroethane
 Concen: 0.243 ug/L
 RT: 1.927 min Scan# 198
 Delta R.T. 0.003 min
 Lab File: VU062733.D
 Acq: 14 Jan 2025 10:45

Tgt Ion: 64 Resp: 1000
 Ion Ratio Lower Upper
 64 100
 66 15.2 21.6 40.2#





#12

1,1-Dichloroethene

Concen: 0.269 ug/L

RT: 2.573 min Scan# 398

Delta R.T. 0.003 min

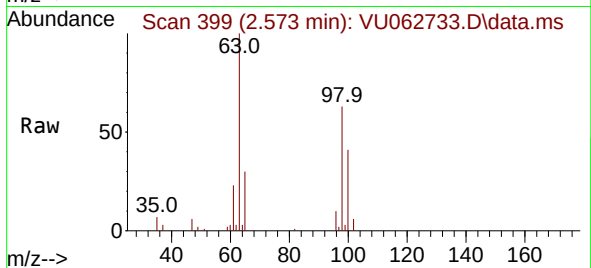
Lab File: VU062733.D

Acq: 14 Jan 2025 10:45

Instrument :

MSVOA_U

ClientSampleId :



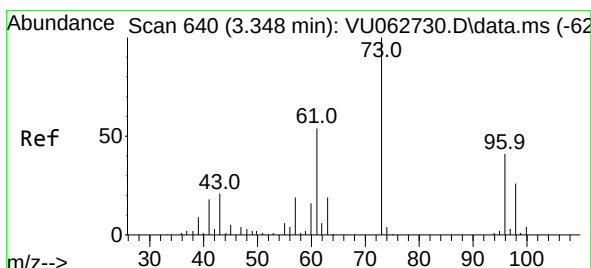
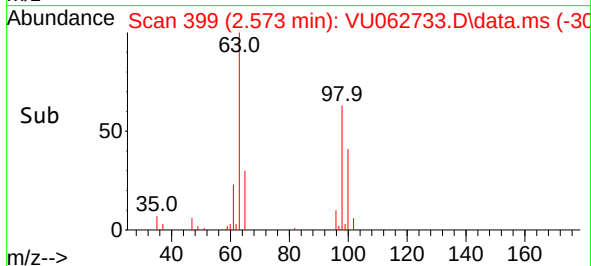
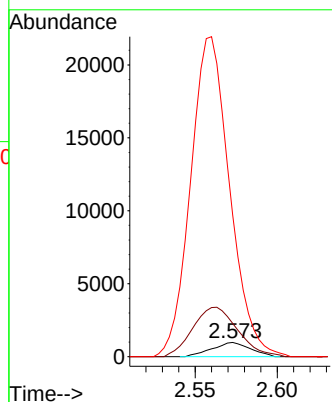
Tgt Ion: 96 Resp: 1586

Ion Ratio Lower Upper

96 100

61 234.3 120.4 223.6#

63 997.5 82.3 152.9#



#17

Methyl tert-butyl Ether

Concen: 0.337 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU062733.D

Acq: 14 Jan 2025 10:45

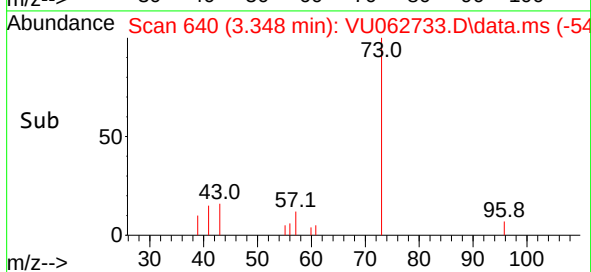
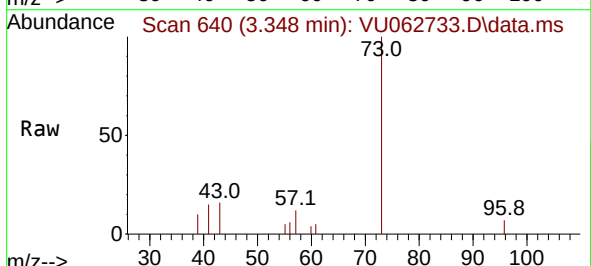
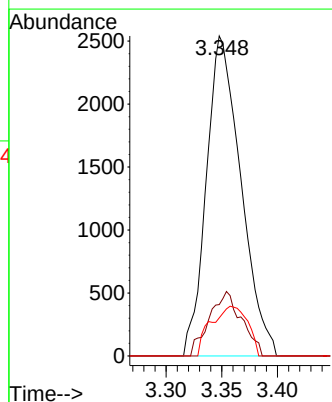
Tgt Ion: 73 Resp: 5473

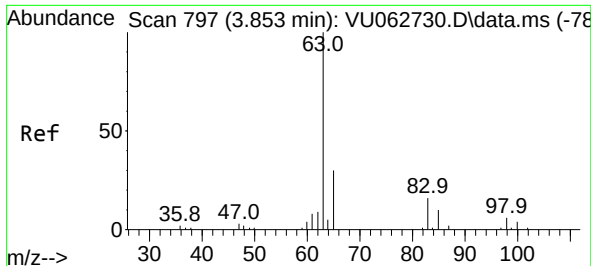
Ion Ratio Lower Upper

73 100

43 18.9 16.2 24.4

57 16.4 14.6 22.0





#19

1,1-Dichloroethane

Concen: 0.620 ug/L

RT: 3.856 min Scan# 79

Delta R.T. 0.003 min

Lab File: VU062733.D

Acq: 14 Jan 2025 10:45

Instrument :

MSVOA_U

ClientSampleId :

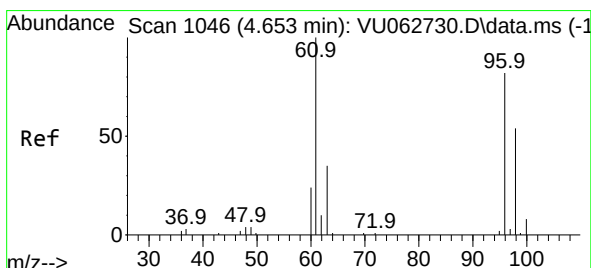
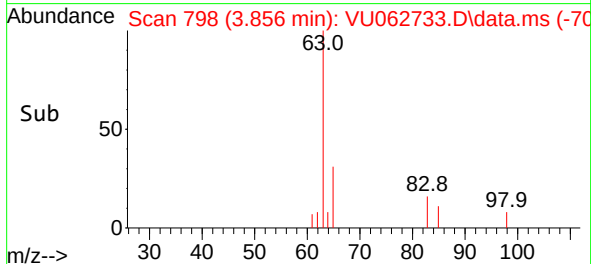
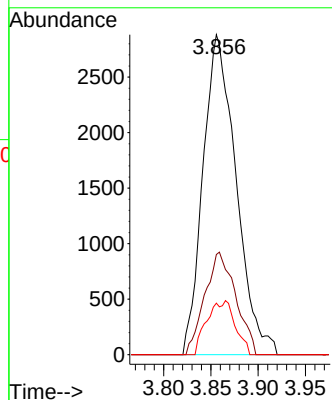
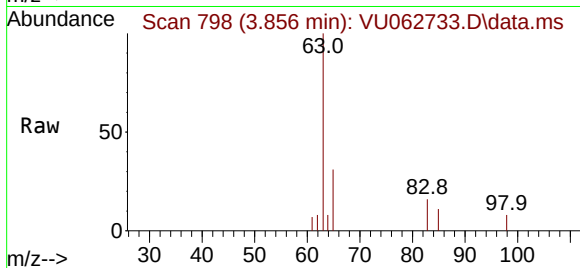
Tgt Ion: 63 Resp: 7015

Ion Ratio Lower Upper

63 100

65 31.3 20.7 38.5

83 16.1 10.5 19.5



#22

cis-1,2-Dichloroethene

Concen: 0.827 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.006 min

Lab File: VU062733.D

Acq: 14 Jan 2025 10:45

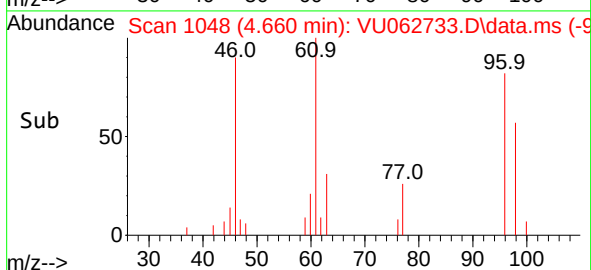
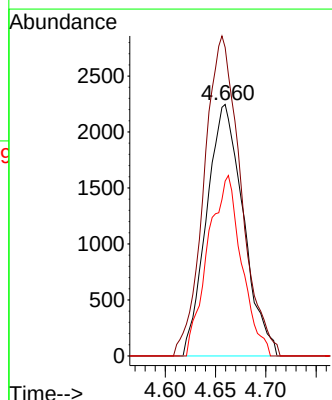
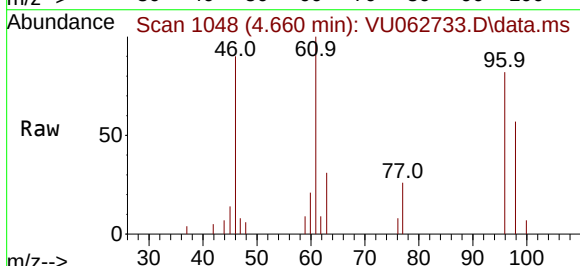
Tgt Ion: 96 Resp: 5697

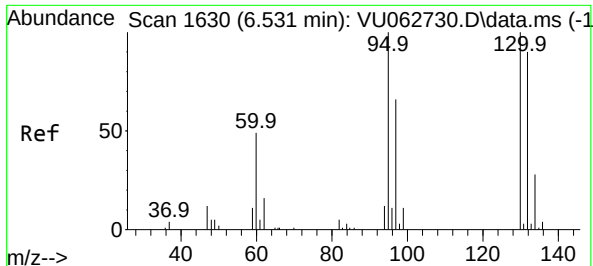
Ion Ratio Lower Upper

96 100

61 122.7 84.8 157.6

98 69.5 43.1 80.1





#34

Trichloroethene

Concen: 0.805 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.003 min

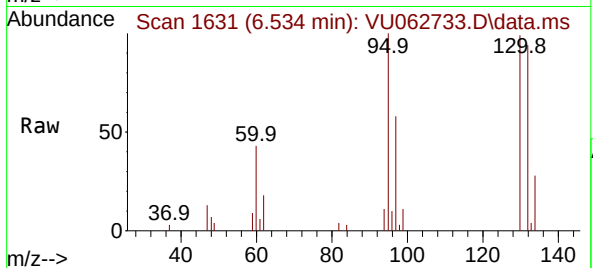
Lab File: VU062733.D

Acq: 14 Jan 2025 10:45

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 7237

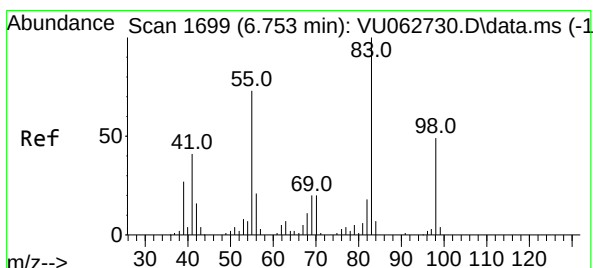
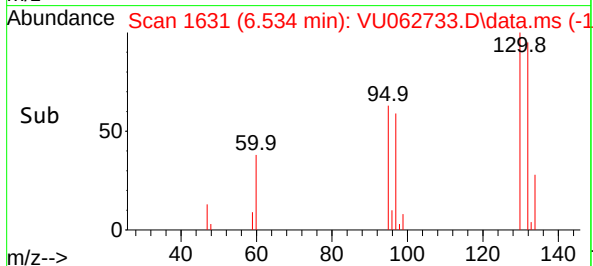
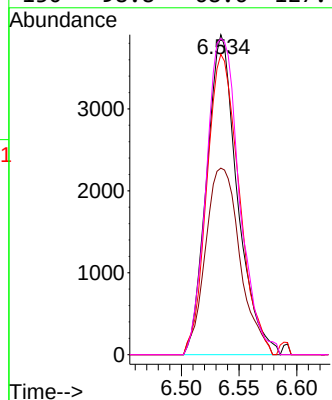
Ion Ratio Lower Upper

95 100

97 58.3 47.5 88.3

132 93.8 66.9 124.3

130 98.8 68.6 127.4



#35

Methylcyclohexane

Concen: 0.783 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.074 min

Lab File: VU062733.D

Acq: 14 Jan 2025 10:45

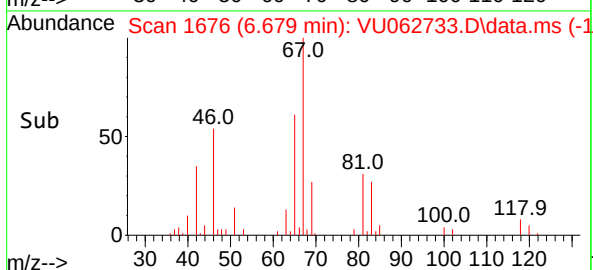
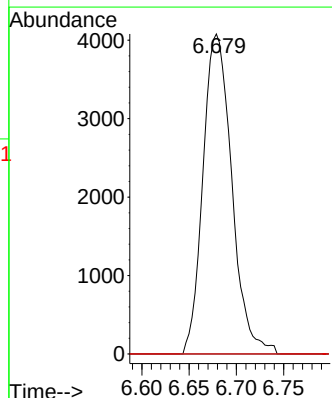
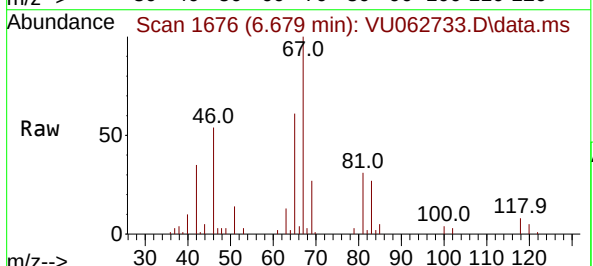
Tgt Ion: 83 Resp: 8664

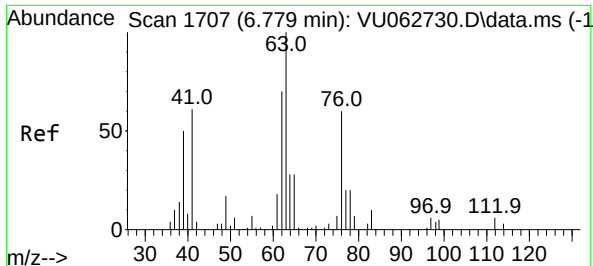
Ion Ratio Lower Upper

83 100

55 0.0 57.2 85.8#

98 7.5 36.6 55.0#





#37

1,2-Dichloropropane

Concen: 0.620 ug/L

RT: 6.679 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU062733.D

Acq: 14 Jan 2025 10:45

Instrument :

MSVOA_U

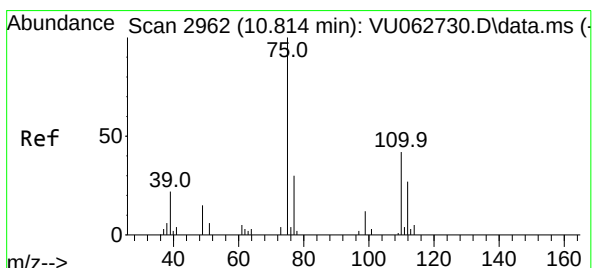
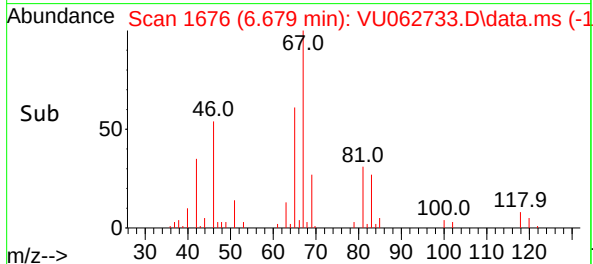
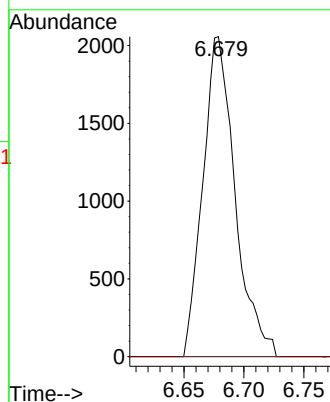
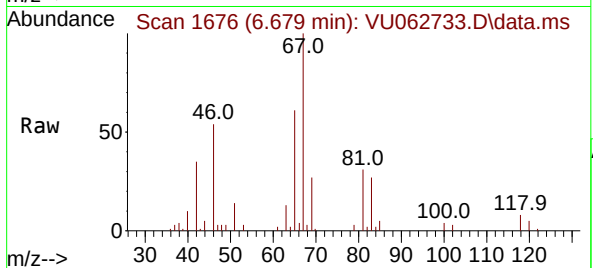
ClientSampleId :

Tgt Ion: 63 Resp: 3847

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#61

1,2,3-Trichloropropane

Concen: 1.238 ug/L

RT: 11.798 min Scan# 3268

Delta R.T. 0.984 min

Lab File: VU062733.D

Acq: 14 Jan 2025 10:45

Tgt Ion: 75 Resp: 4652

Ion Ratio Lower Upper

75 100

110 0.0 33.2 49.8#

77 34.9 25.9 38.9

