

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011425\
 Data File : VU062732.D
 Acq On : 14 Jan 2025 10:22
 Operator : MD/SY
 Sample : Q1058-02
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 00:32:05 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)

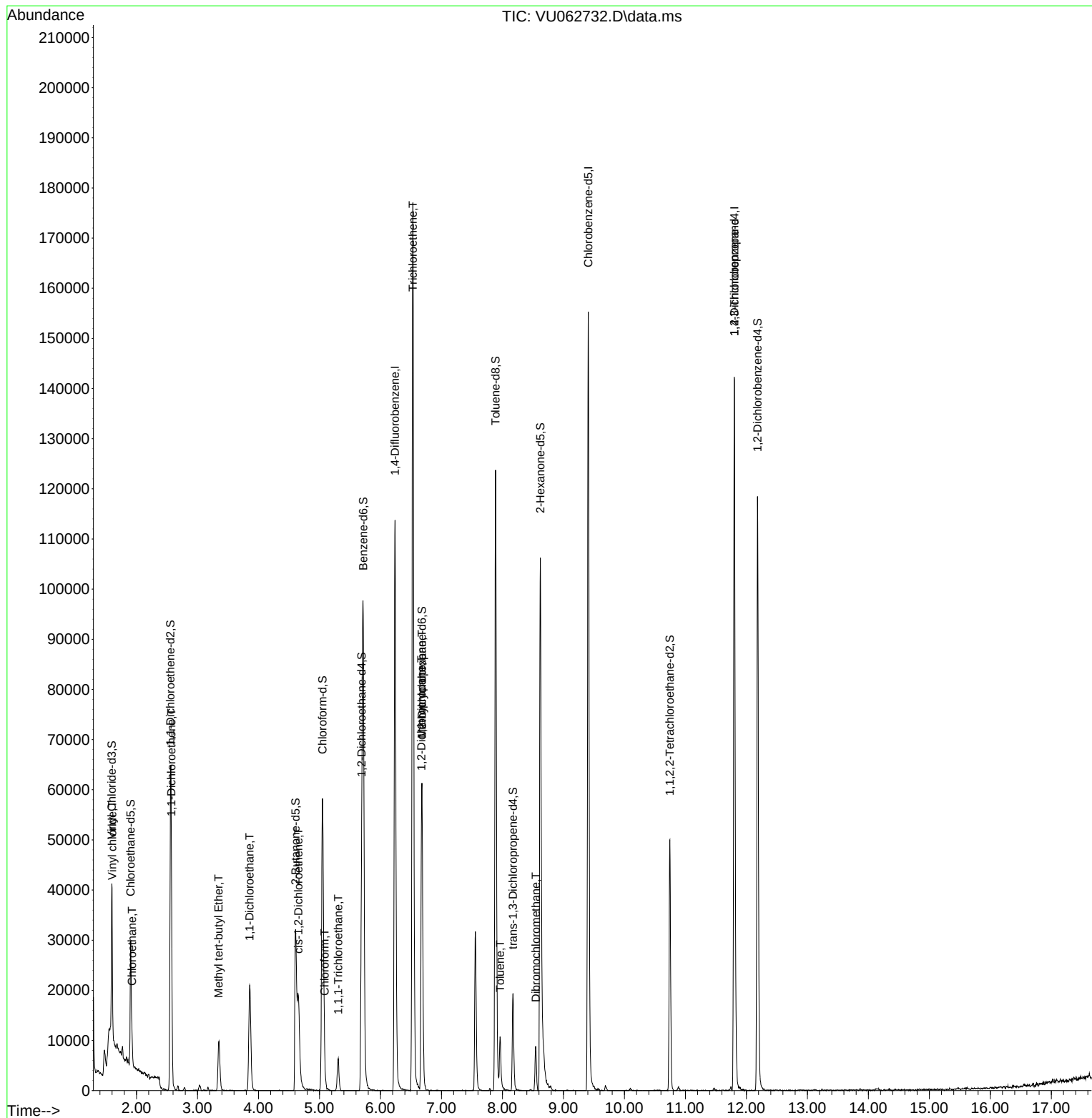
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	94037	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	88105	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	42040	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	17904	3.438	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.800%
7) Chloroethane-d5	1.904	69	17249	4.117	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.400%
11) 1,1-Dichloroethene-d2	2.557	65	10025	3.716	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.400%
20) 2-Butanone-d5	4.608	46	49499	46.502	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.000%
24) Chloroform-d	5.049	84	56302	4.394	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.692	65	32556	4.684	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	5.717	84	94143	4.371	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
36) 1,2-Dichloropropane-d6	6.679	67	28049	4.697	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.888	98	86052	4.101	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
43) trans-1,3-Dichloroprop...	8.174	79	12514	4.204	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.000%
46) 2-Hexanone-d5	8.621	63	38823	41.471	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.940%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	23510	4.701	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.000%
66) 1,2-Dichlorobenzene-d4	12.183	152	33047	4.725	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	3656	0.540	ug/L #	1
8) Chloroethane	1.927	64	3901	0.959	ug/L #	80
12) 1,1-Dichloroethene	2.573	96	8442	1.446	ug/L #	63
17) Methyl tert-butyl Ether	3.348	73	11097	0.692	ug/L	98
19) 1,1-Dichloroethane	3.856	63	23927	2.140	ug/L	93
22) cis-1,2-Dichloroethene	4.656	96	9204	1.351	ug/L	95
25) Chloroform	5.084	83	4051	0.294	ug/L	91
29) 1,1,1-Trichloroethane	5.309	97	5255	0.393	ug/L	92
34) Trichloroethene	6.531	95	61620	7.126	ug/L	98
35) Methylcyclohexane	6.679	83	7846	0.737	ug/L #	20
37) 1,2-Dichloropropane	6.672	63	3731	0.625	ug/L #	85
42) Toluene	7.962	91	8627	0.311	ug/L	100
49) Dibromochloromethane	8.547	129	2016	0.310	ug/L #	12
61) 1,2,3-Trichloropropane	11.804	75	4120	1.105	ug/L #	62

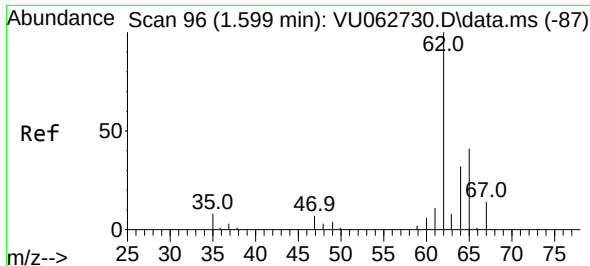
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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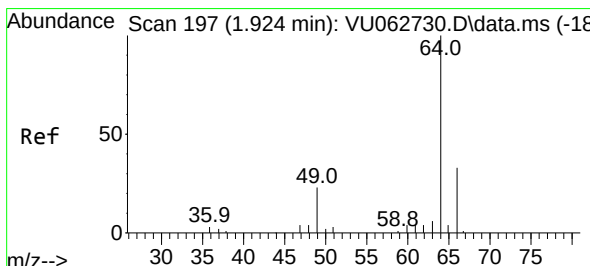
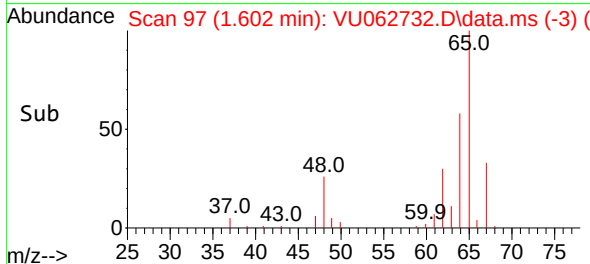
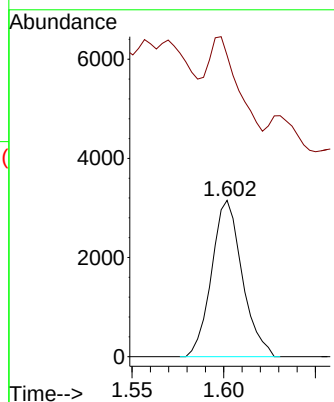
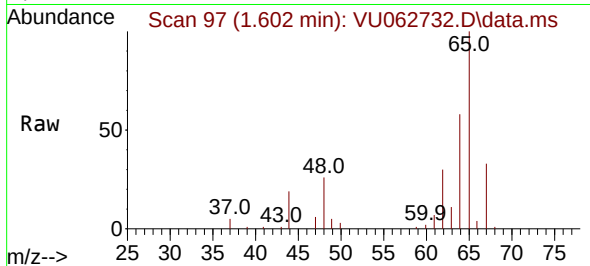




#5
 Vinyl chloride
 Concen: 0.540 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU062732.D
 Acq: 14 Jan 2025 10:22

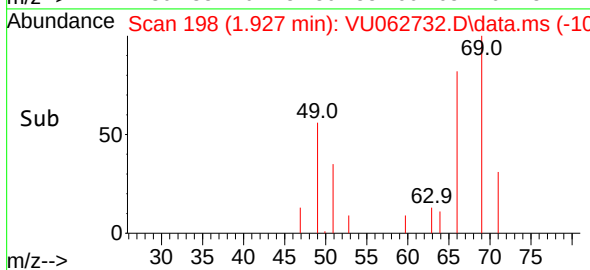
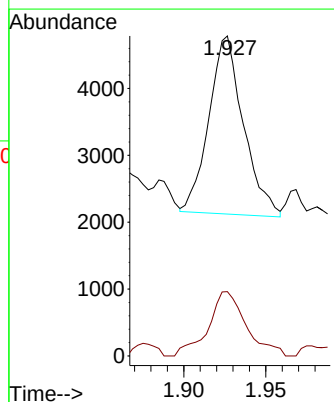
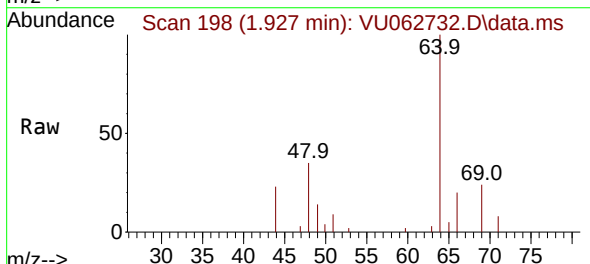
Instrument :
 MSVOA_U
 ClientSampleId :

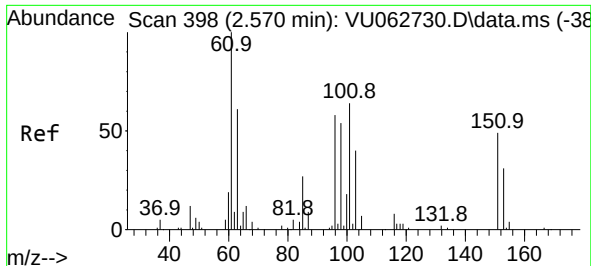
Tgt Ion: 62 Resp: 3656
 Ion Ratio Lower Upper
 62 100
 64 192.7 23.4 43.4#



#8
 Chloroethane
 Concen: 0.959 ug/L
 RT: 1.927 min Scan# 198
 Delta R.T. 0.003 min
 Lab File: VU062732.D
 Acq: 14 Jan 2025 10:22

Tgt Ion: 64 Resp: 3901
 Ion Ratio Lower Upper
 64 100
 66 20.1 21.6 40.2#





#12

1,1-Dichloroethene

Concen: 1.446 ug/L

RT: 2.573 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU062732.D

Acq: 14 Jan 2025 10:22

Instrument :

MSVOA_U

ClientSampleId :

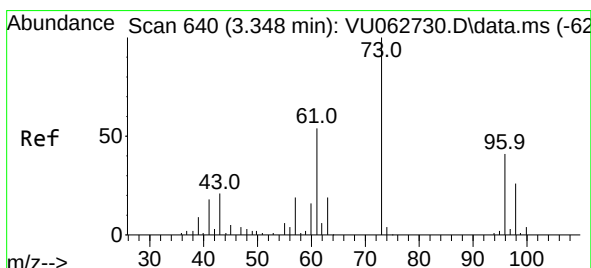
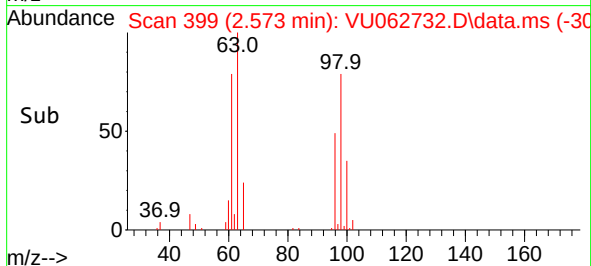
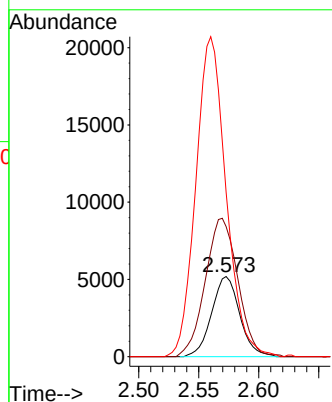
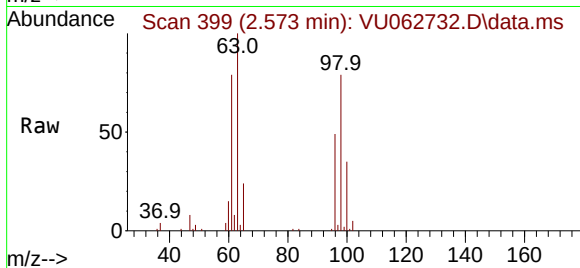
Tgt Ion: 96 Resp: 8442

Ion Ratio Lower Upper

96 100

61 162.3 120.4 223.6

63 205.2 82.3 152.9#



#17

Methyl tert-butyl Ether

Concen: 0.692 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU062732.D

Acq: 14 Jan 2025 10:22

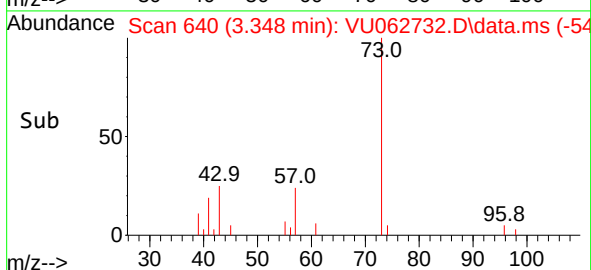
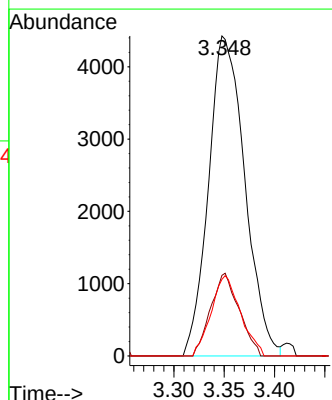
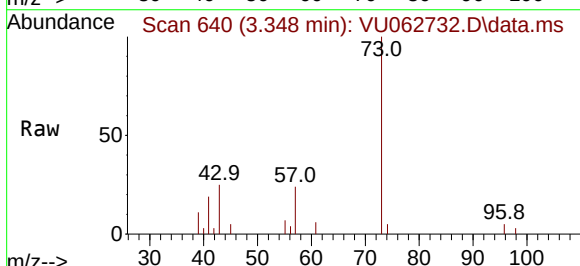
Tgt Ion: 73 Resp: 11097

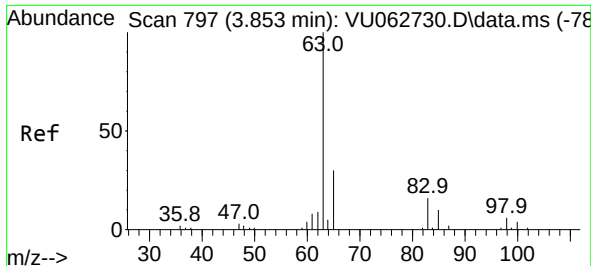
Ion Ratio Lower Upper

73 100

43 20.3 16.2 24.4

57 20.3 14.6 22.0





#19

1,1-Dichloroethane

Concen: 2.140 ug/L

RT: 3.856 min Scan# 79

Delta R.T. 0.003 min

Lab File: VU062732.D

Acq: 14 Jan 2025 10:22

Instrument :

MSVOA_U

ClientSampleId :

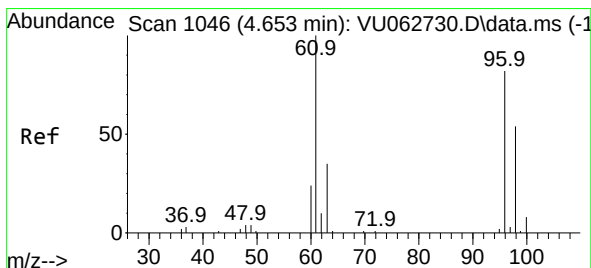
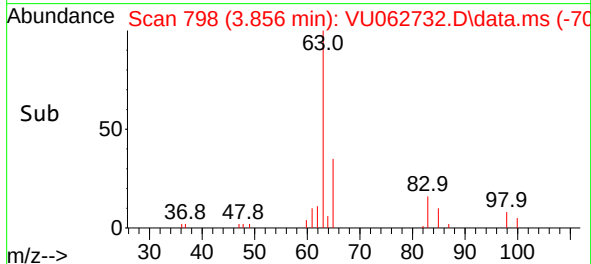
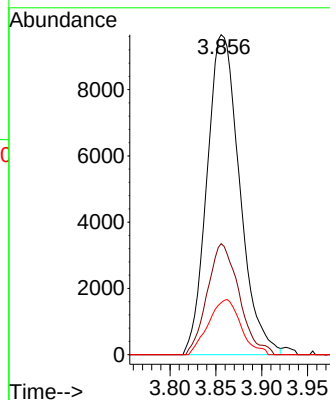
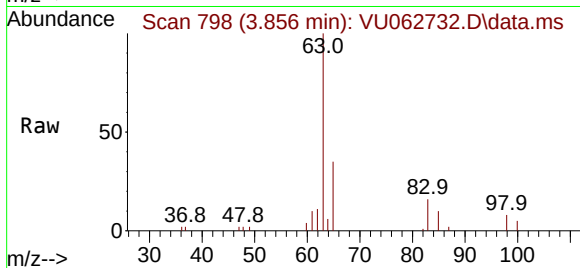
Tgt Ion: 63 Resp: 23927

Ion Ratio Lower Upper

63 100

65 34.7 20.7 38.5

83 16.2 10.5 19.5



#22

cis-1,2-Dichloroethene

Concen: 1.351 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. 0.003 min

Lab File: VU062732.D

Acq: 14 Jan 2025 10:22

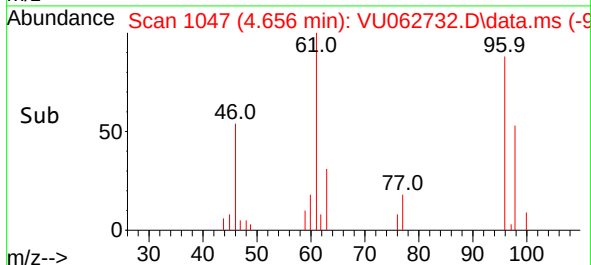
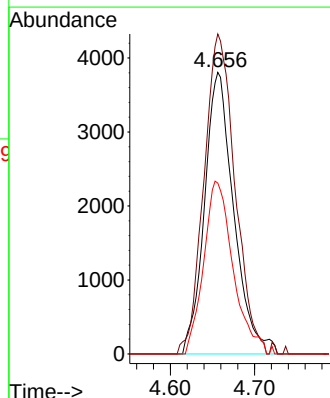
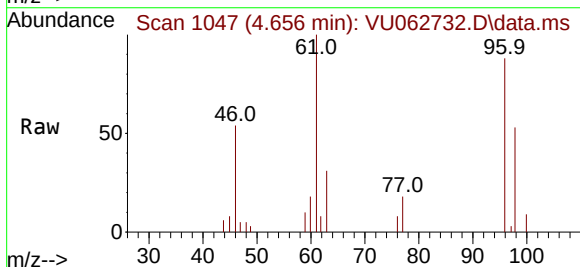
Tgt Ion: 96 Resp: 9204

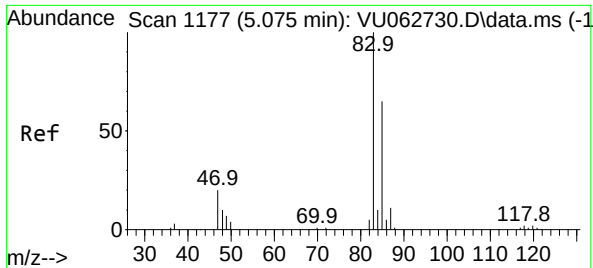
Ion Ratio Lower Upper

96 100

61 113.6 84.8 157.6

98 60.7 43.1 80.1





#25

Chloroform

Concen: 0.294 ug/L

RT: 5.084 min Scan# 1177

Delta R.T. 0.009 min

Lab File: VU062732.D

Acq: 14 Jan 2025 10:22

Instrument :

MSVOA_U

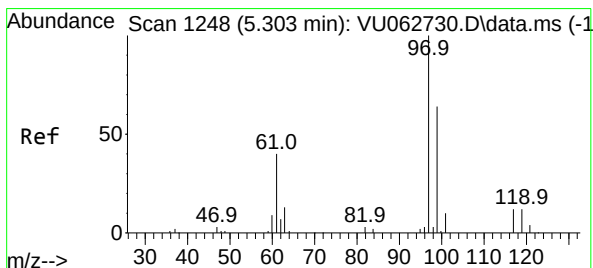
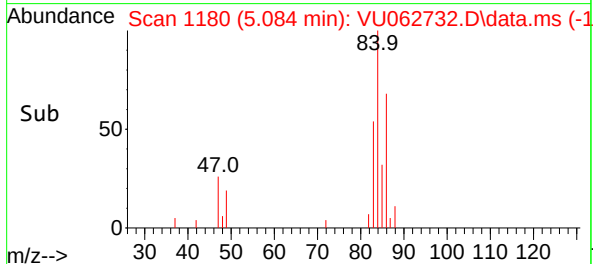
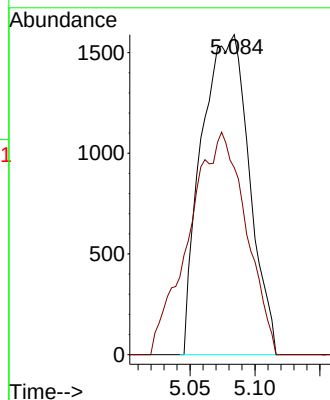
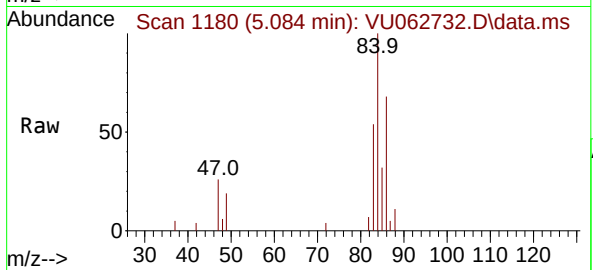
ClientSampleId :

Tgt Ion: 83 Resp: 4051

Ion Ratio Lower Upper

83 100

85 58.5 45.8 85.2



#29

1,1,1-Trichloroethane

Concen: 0.393 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.006 min

Lab File: VU062732.D

Acq: 14 Jan 2025 10:22

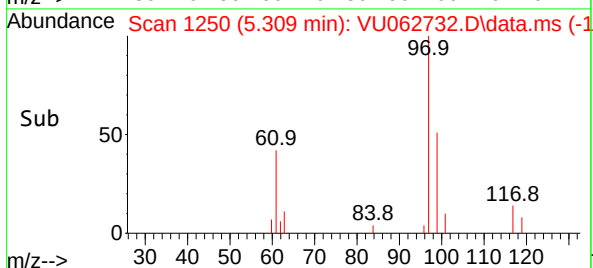
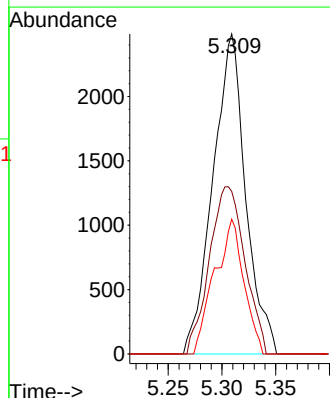
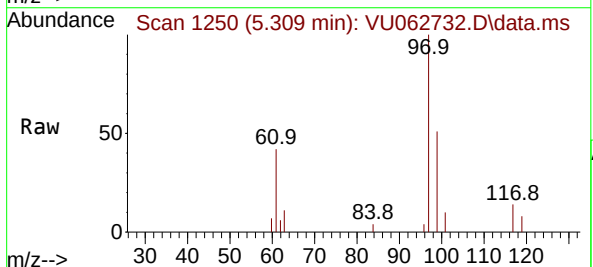
Tgt Ion: 97 Resp: 5255

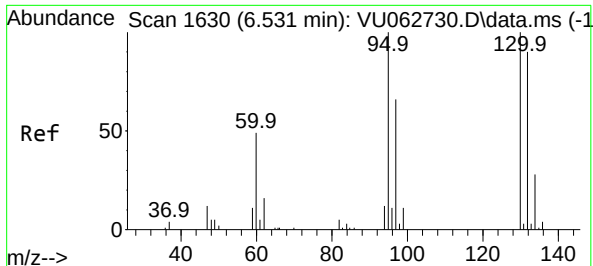
Ion Ratio Lower Upper

97 100

99 56.8 52.4 78.6

61 37.6 32.2 48.4





#34

Trichloroethene

Concen: 7.126 ug/L

RT: 6.531 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU062732.D

Acq: 14 Jan 2025 10:22

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 61620

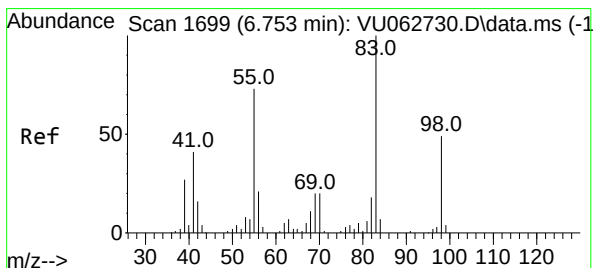
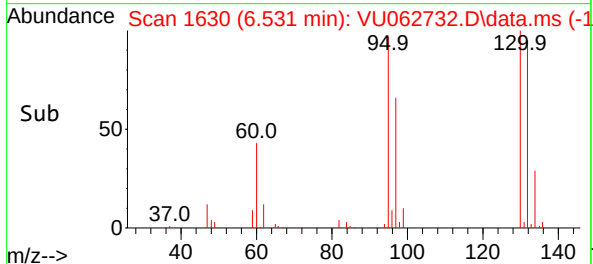
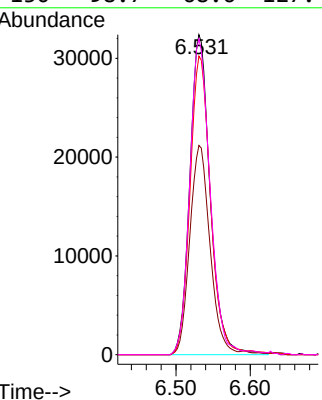
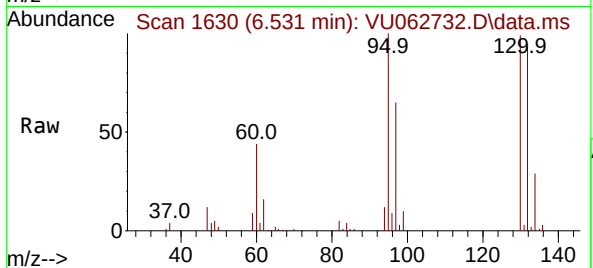
Ion Ratio Lower Upper

95 100

97 65.4 47.5 88.3

132 93.3 66.9 124.3

130 98.7 68.6 127.4



#35

Methylcyclohexane

Concen: 0.737 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.074 min

Lab File: VU062732.D

Acq: 14 Jan 2025 10:22

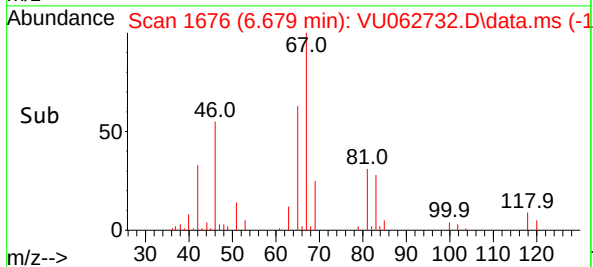
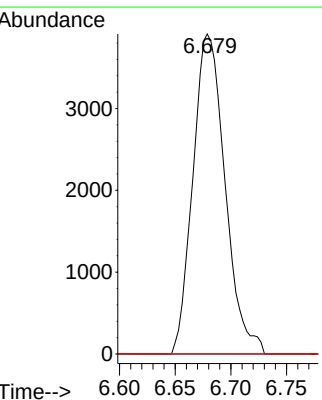
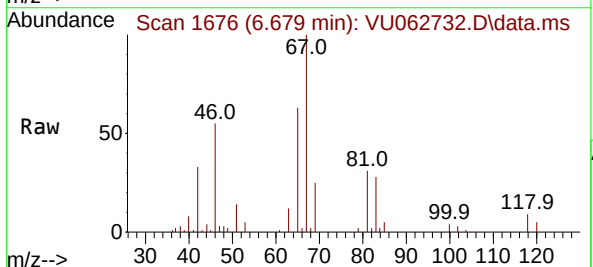
Tgt Ion: 83 Resp: 7846

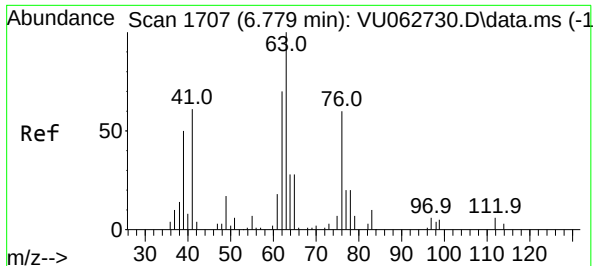
Ion Ratio Lower Upper

83 100

55 0.0 57.2 85.8#

98 0.0 36.6 55.0#





#37

1,2-Dichloropropane

Concen: 0.625 ug/L

RT: 6.672 min Scan# 1

Delta R.T. -0.106 min

Lab File: VU062732.D

Acq: 14 Jan 2025 10:22

Instrument :

MSVOA_U

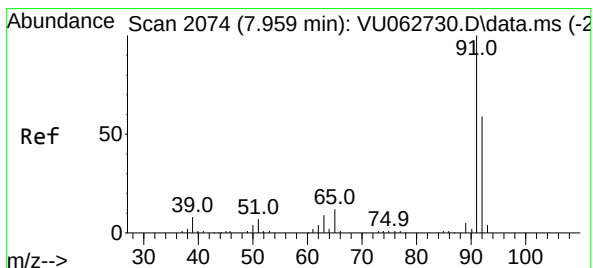
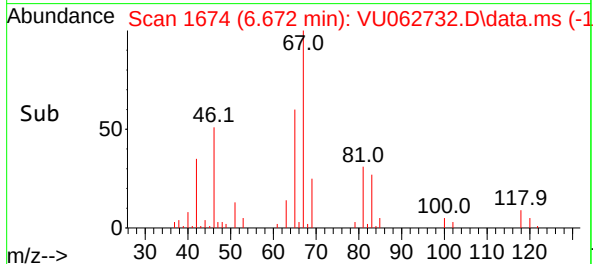
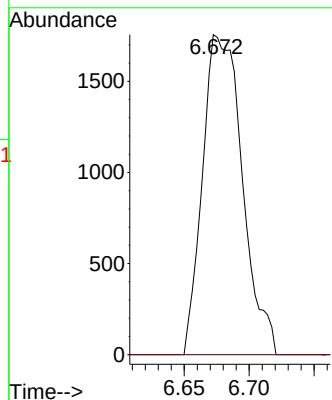
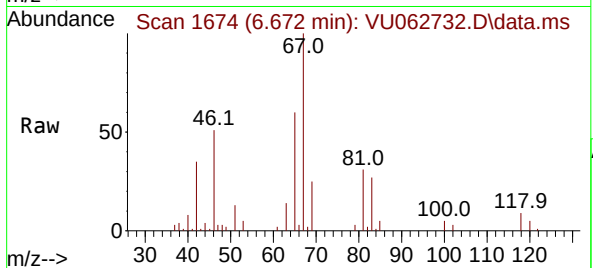
ClientSampleId :

Tgt Ion: 63 Resp: 3731

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#42

Toluene

Concen: 0.311 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU062732.D

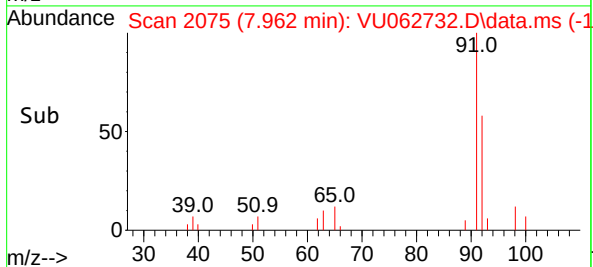
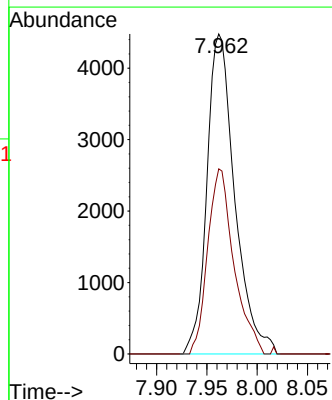
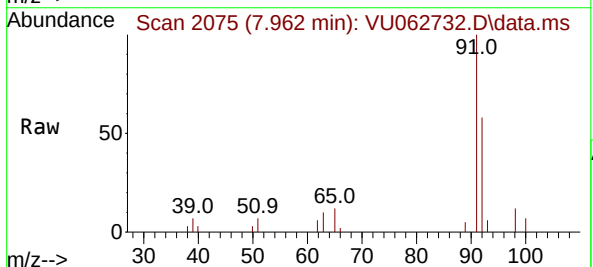
Acq: 14 Jan 2025 10:22

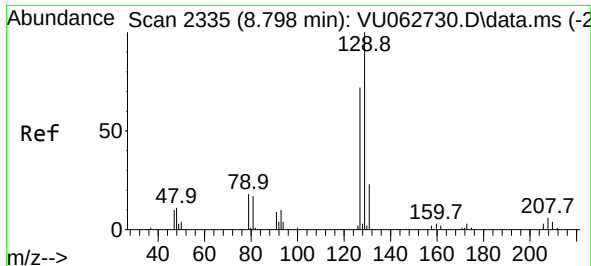
Tgt Ion: 91 Resp: 8627

Ion Ratio Lower Upper

91 100

92 57.8 40.4 75.0

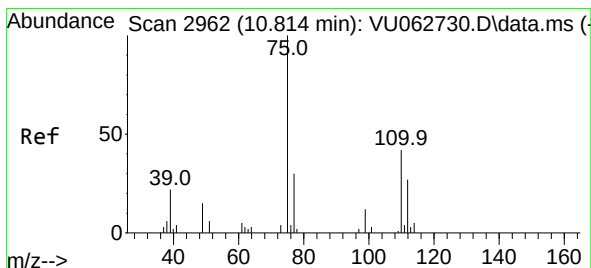
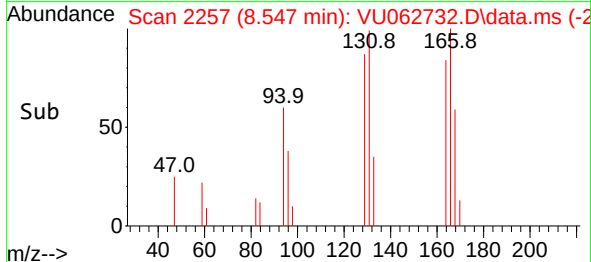
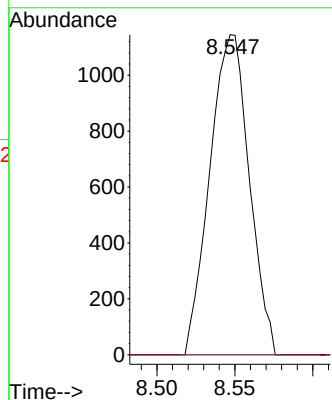
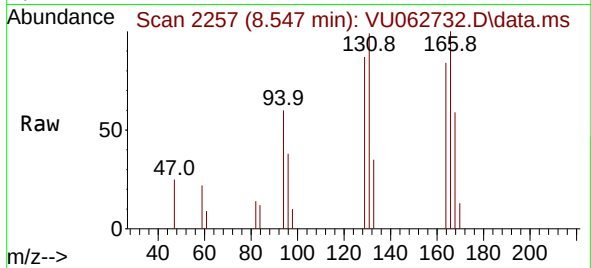




#49
Dibromochloromethane
Concen: 0.310 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.251 min
Lab File: VU062732.D
Acq: 14 Jan 2025 10:22

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 2016
Ion Ratio Lower Upper
129 100
127 0.0 52.1 96.9#



#61
1,2,3-Trichloropropane
Concen: 1.105 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.990 min
Lab File: VU062732.D
Acq: 14 Jan 2025 10:22

Tgt Ion: 75 Resp: 4120
Ion Ratio Lower Upper
75 100
110 0.0 33.2 49.8#
77 34.0 25.9 38.9

