

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011425\
 Data File : VU062741.D
 Acq On : 14 Jan 2025 14:06
 Operator : MD/SY
 Sample : Q1057-11
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 00:34:50 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)

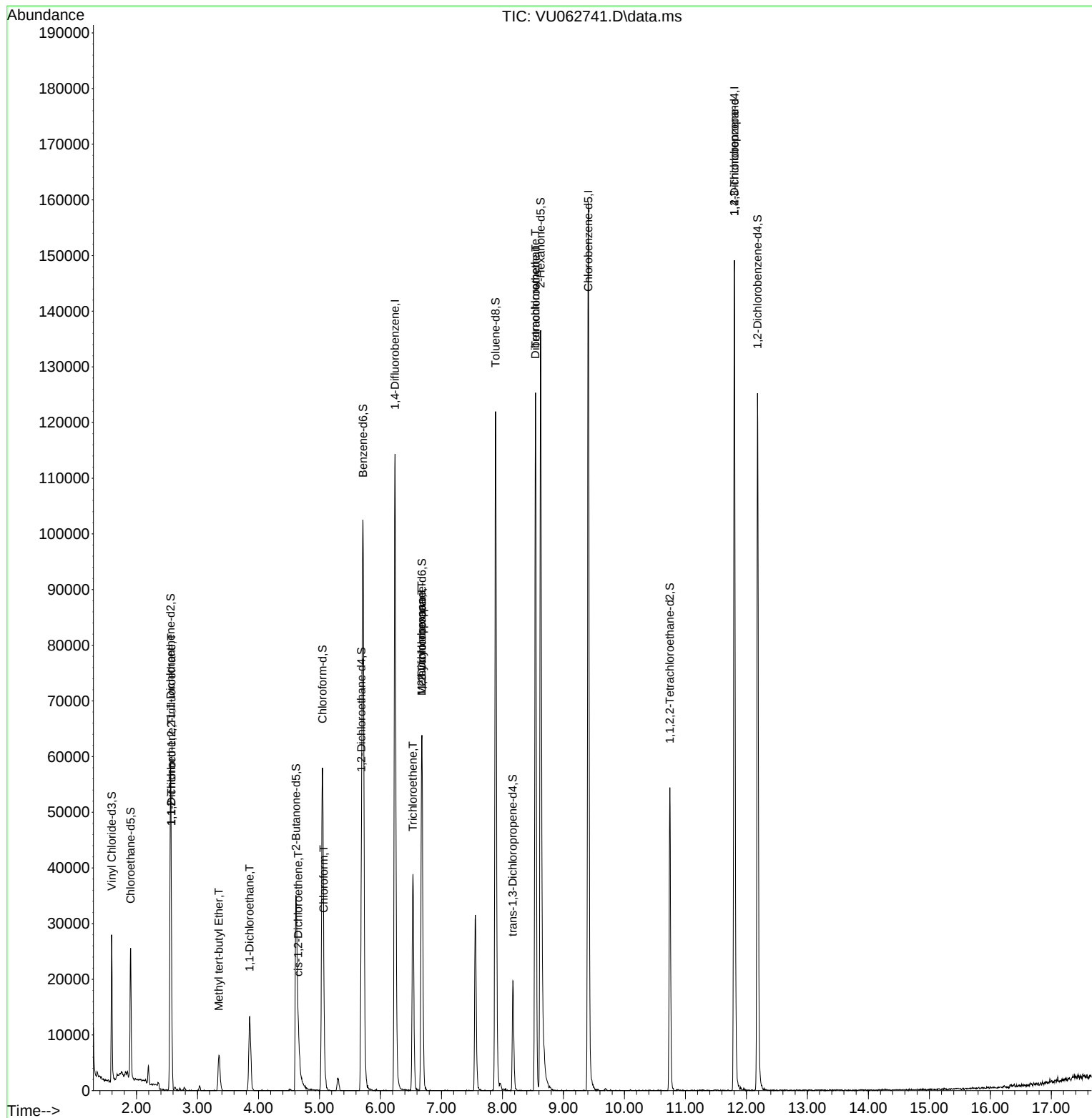
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	95518	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	89643	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	42543	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	17513	3.310	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.200%
7) Chloroethane-d5	1.904	69	16390	3.851	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.000%
11) 1,1-Dichloroethene-d2	2.560	65	10288	3.754	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.000%
20) 2-Butanone-d5	4.615	46	57629	53.301	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.600%
24) Chloroform-d	5.049	84	57241	4.398	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	5.689	65	34237	4.850	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	5.714	84	95377	4.353	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	6.679	67	28636	4.713	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.200%
41) Toluene-d8	7.888	98	85891	4.023	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.400%
43) trans-1,3-Dichloroprop...	8.171	79	13105	4.327	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.600%
46) 2-Hexanone-d5	8.624	63	49387	51.850	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.700%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	25621	5.035	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	12.184	152	34997	4.945	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.800%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	2010	0.300	ug/L	92
12) 1,1-Dichloroethene	2.570	96	2939	0.496	ug/L #	1
17) Methyl tert-butyl Ether	3.351	73	8015	0.492	ug/L	98
19) 1,1-Dichloroethane	3.856	63	15672	1.380	ug/L	98
22) cis-1,2-Dichloroethene	4.653	96	1486	0.215	ug/L	87
25) Chloroform	5.071	83	3253	0.233	ug/L	97
34) Trichloroethene	6.531	95	14030	1.595	ug/L	94
35) Methylcyclohexane	6.676	83	8009	0.740	ug/L #	23
37) 1,2-Dichloropropane	6.676	63	3630	0.597	ug/L #	85
47) Tetrachloroethene	8.544	164	28002	4.621	ug/L	99
49) Dibromochloromethane	8.541	129	27325	4.124	ug/L #	12
61) 1,2,3-Trichloropropane	11.804	75	4462	1.182	ug/L #	64

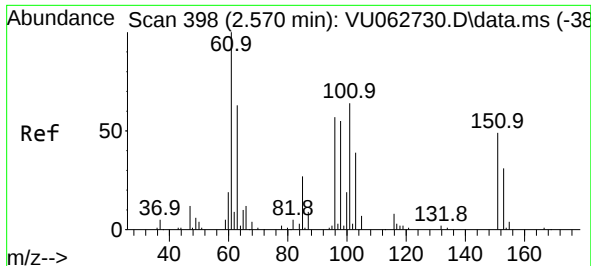
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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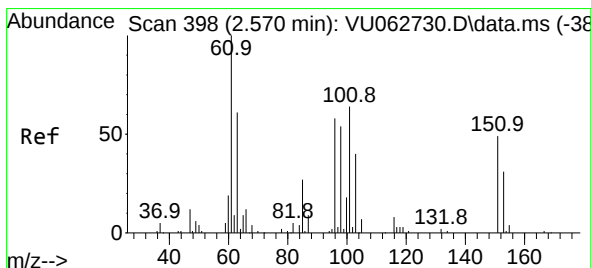
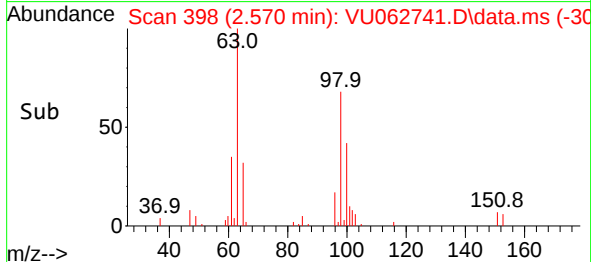
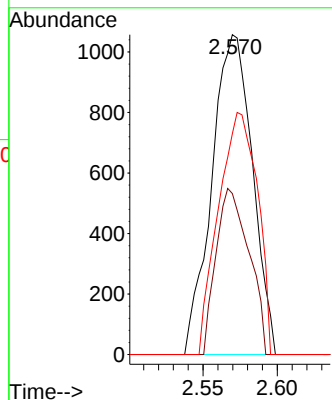
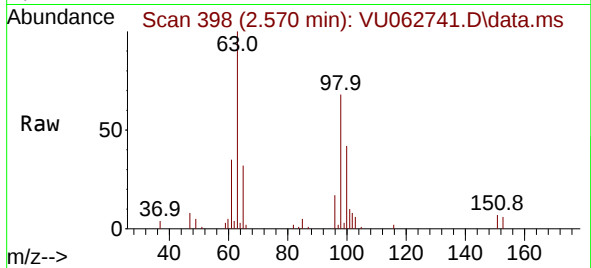




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.300 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.000 min
 Lab File: VU062741.D
 Acq: 14 Jan 2025 14:06

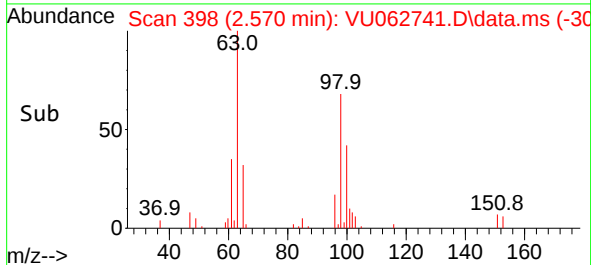
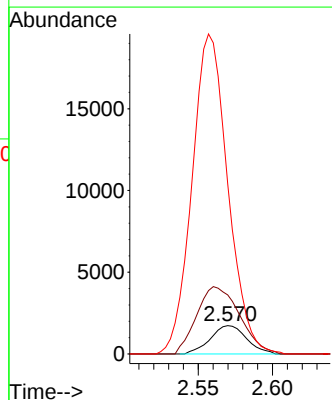
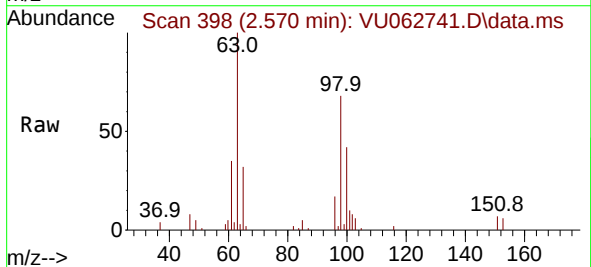
Instrument :
 MSVOA_U
 ClientSampleId :

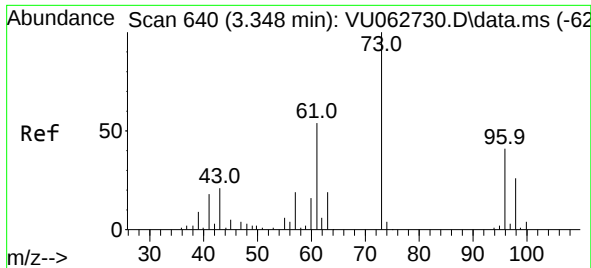
Tgt Ion:101 Resp: 2010
 Ion Ratio Lower Upper
 101 100
 85 42.1 37.0 55.6
 151 72.5 64.4 96.6



#12
 1,1-Dichloroethene
 Concen: 0.496 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.000 min
 Lab File: VU062741.D
 Acq: 14 Jan 2025 14:06

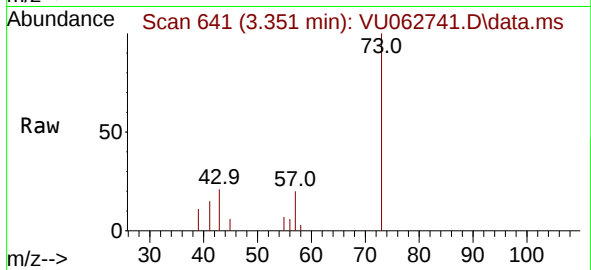
Tgt Ion: 96 Resp: 2939
 Ion Ratio Lower Upper
 96 100
 61 208.5 120.4 223.6
 63 600.6 82.3 152.9#



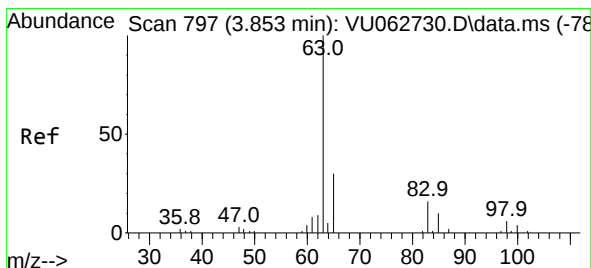
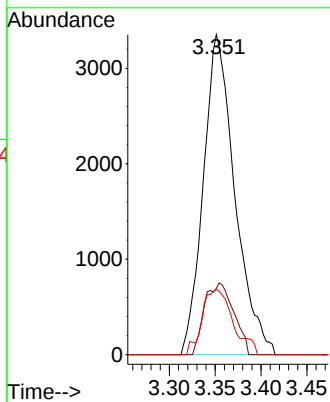
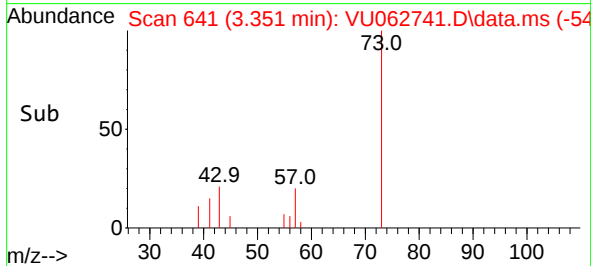


#17
Methyl tert-butyl Ether
Concen: 0.492 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU062741.D
Acq: 14 Jan 2025 14:06

Instrument :
MSVOA_U
ClientSampleId :

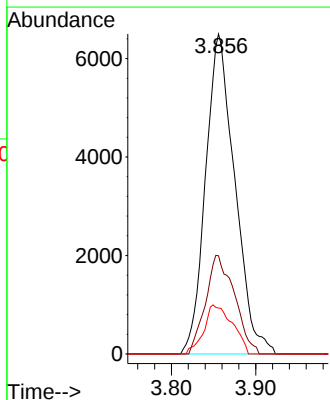
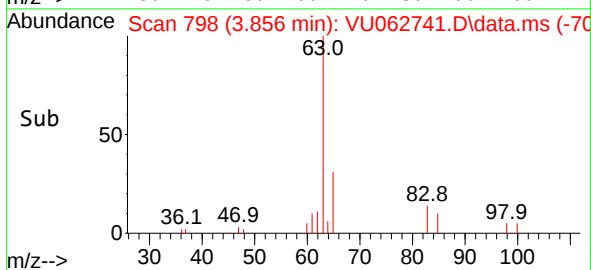
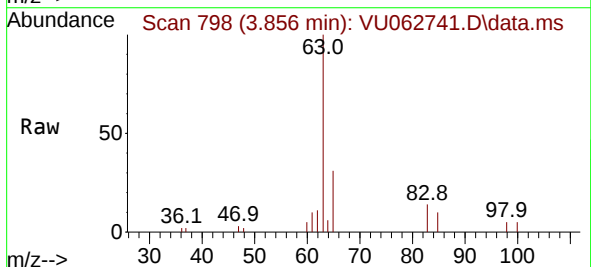


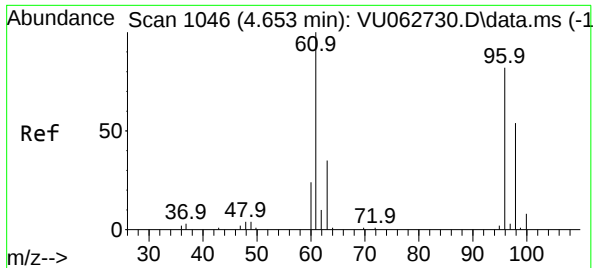
Tgt Ion: 73 Resp: 8015
Ion Ratio Lower Upper
73 100
43 20.7 16.2 24.4
57 20.1 14.6 22.0



#19
1,1-Dichloroethane
Concen: 1.380 ug/L
RT: 3.856 min Scan# 798
Delta R.T. 0.003 min
Lab File: VU062741.D
Acq: 14 Jan 2025 14:06

Tgt Ion: 63 Resp: 15672
Ion Ratio Lower Upper
63 100
65 30.7 20.7 38.5
83 14.4 10.5 19.5





#22

cis-1,2-Dichloroethene

Concen: 0.215 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. -0.000 min

Lab File: VU062741.D

Acq: 14 Jan 2025 14:06

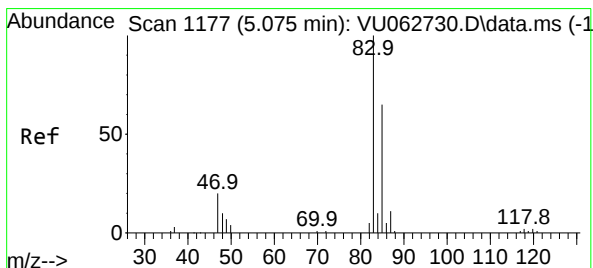
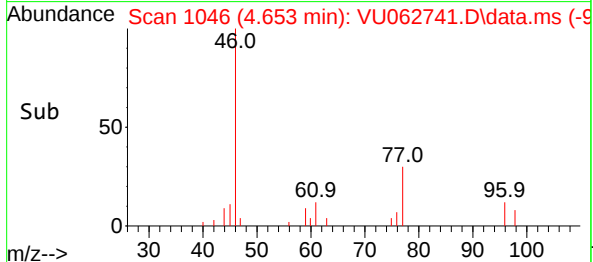
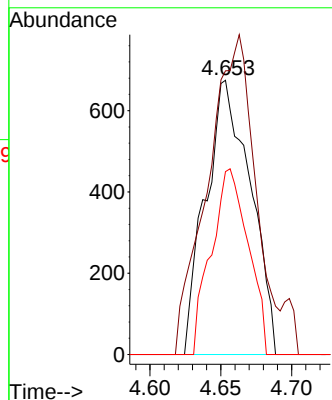
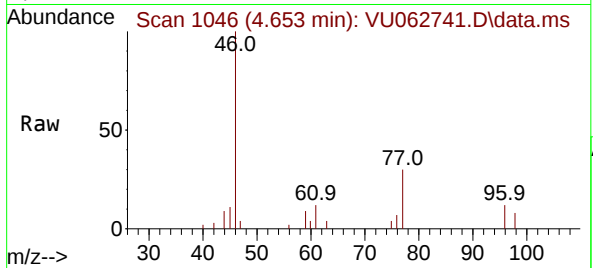
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 1486

Ion	Ratio	Lower	Upper
96	100		
61	103.4	84.8	157.6
98	66.7	43.1	80.1



#25

Chloroform

Concen: 0.233 ug/L

RT: 5.071 min Scan# 1176

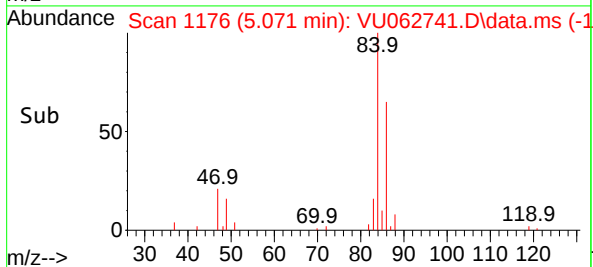
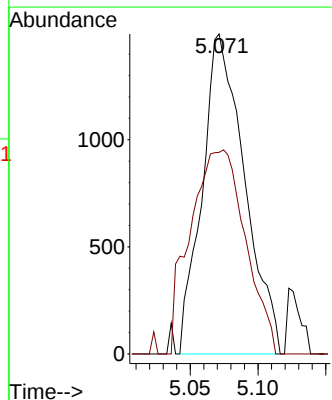
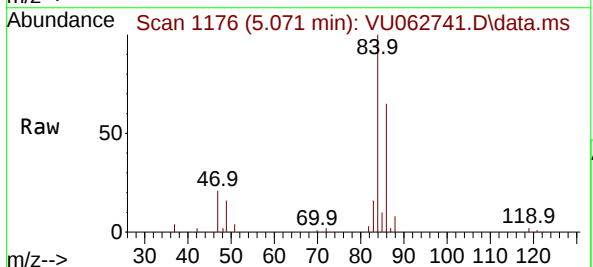
Delta R.T. -0.003 min

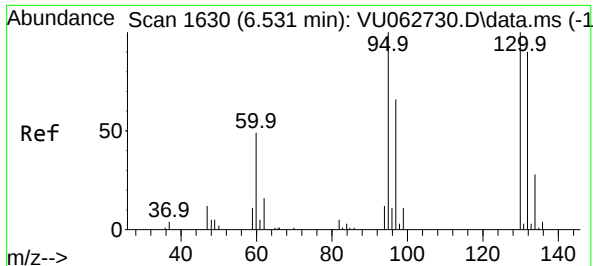
Lab File: VU062741.D

Acq: 14 Jan 2025 14:06

Tgt Ion: 83 Resp: 3253

Ion	Ratio	Lower	Upper
83	100		
85	63.0	45.8	85.2





#34

Trichloroethene

Concen: 1.595 ug/L

RT: 6.531 min Scan# 1

Delta R.T. -0.000 min

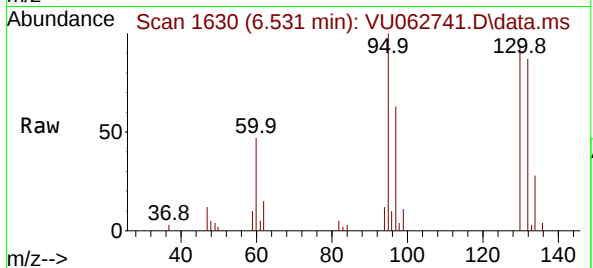
Lab File: VU062741.D

Acq: 14 Jan 2025 14:06

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 14030

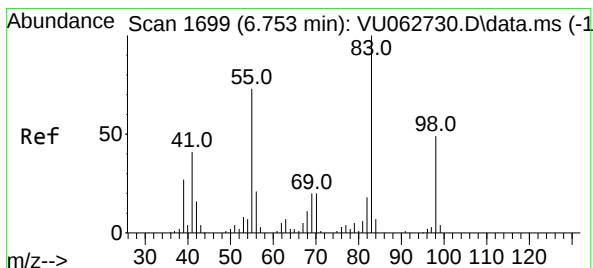
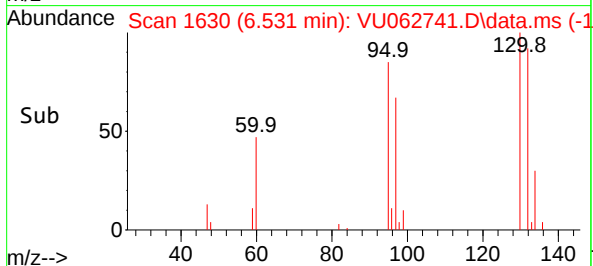
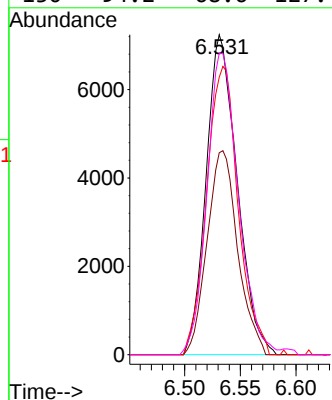
Ion Ratio Lower Upper

95 100

97 63.1 47.5 88.3

132 86.7 66.9 124.3

130 94.2 68.6 127.4



#35

Methylcyclohexane

Concen: 0.740 ug/L

RT: 6.676 min Scan# 1675

Delta R.T. -0.077 min

Lab File: VU062741.D

Acq: 14 Jan 2025 14:06

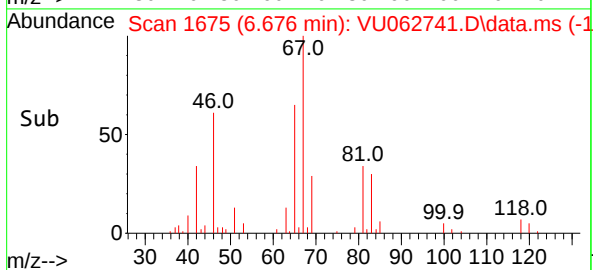
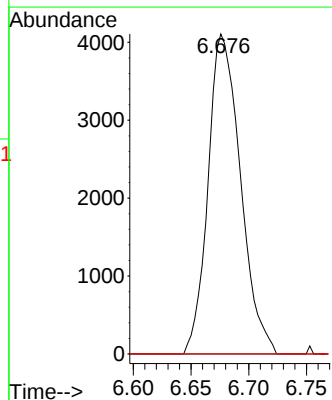
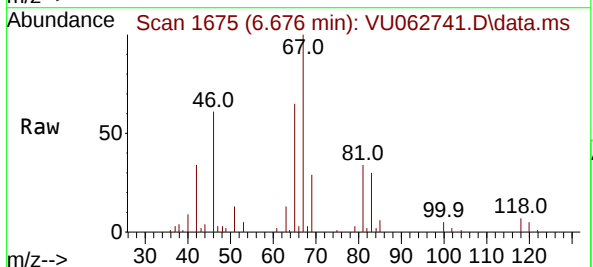
Tgt Ion: 83 Resp: 8009

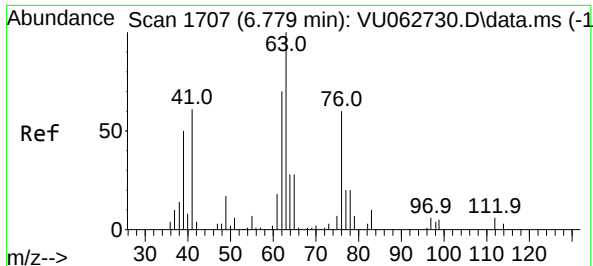
Ion Ratio Lower Upper

83 100

55 0.0 57.2 85.8#

98 4.3 36.6 55.0#





#37

1,2-Dichloropropane

Concen: 0.597 ug/L

RT: 6.676 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU062741.D

Acq: 14 Jan 2025 14:06

Instrument :

MSVOA_U

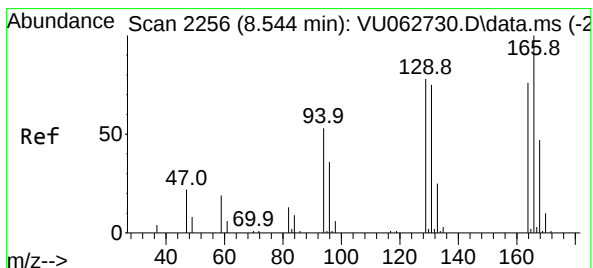
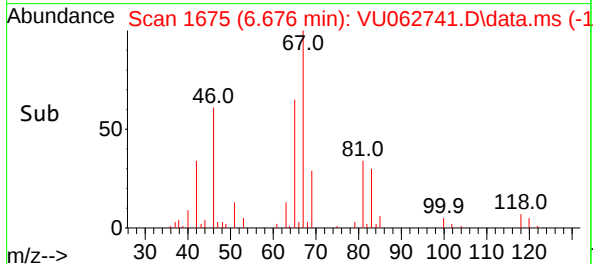
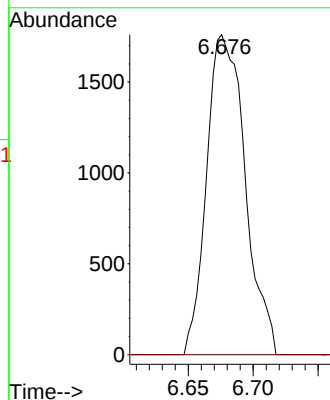
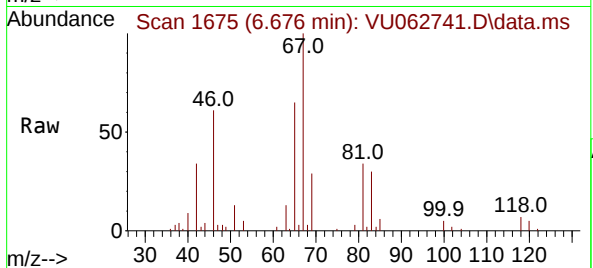
ClientSampleId :

Tgt Ion: 63 Resp: 3630

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#47

Tetrachloroethene

Concen: 4.621 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VU062741.D

Acq: 14 Jan 2025 14:06

Tgt Ion: 164 Resp: 28002

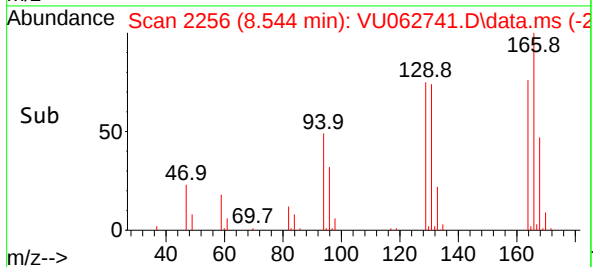
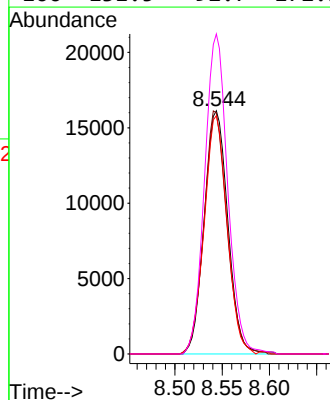
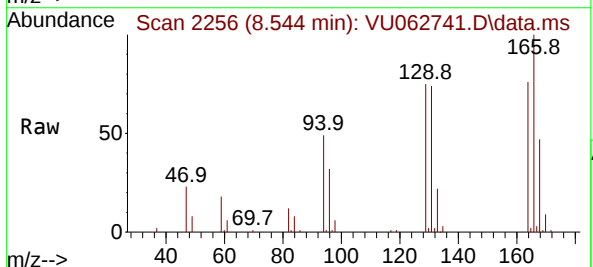
Ion Ratio Lower Upper

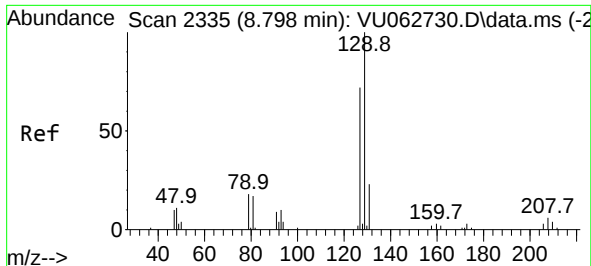
164 100

129 99.1 71.0 131.9

131 97.9 69.4 129.0

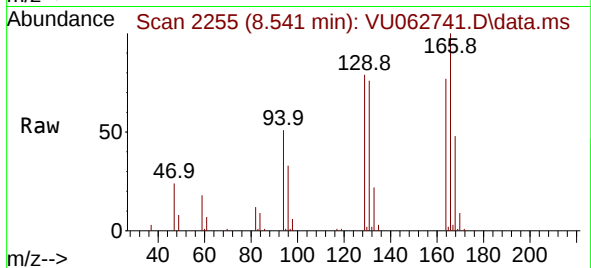
166 131.5 92.7 172.3



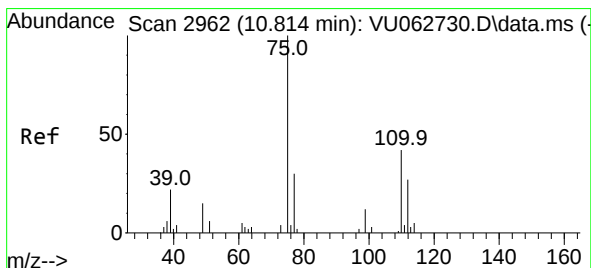
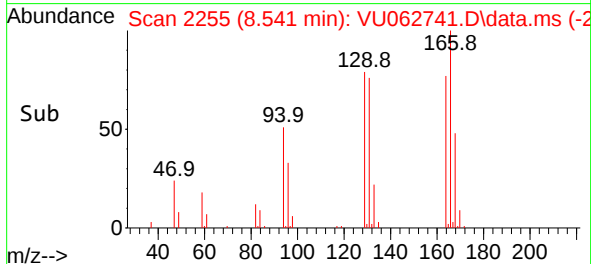
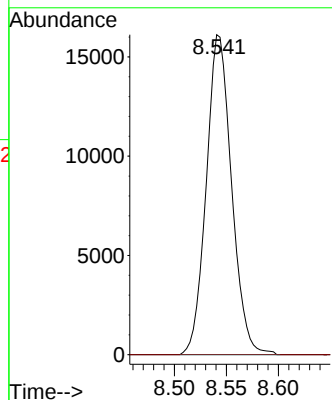


#49
Dibromochloromethane
Concen: 4.124 ug/L
RT: 8.541 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU062741.D
Acq: 14 Jan 2025 14:06

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:129 Resp: 27325
Ion Ratio Lower Upper
129 100
127 0.0 52.1 96.9#



#61
1,2,3-Trichloropropane
Concen: 1.182 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.990 min
Lab File: VU062741.D
Acq: 14 Jan 2025 14:06

Tgt Ion: 75 Resp: 4462
Ion Ratio Lower Upper
75 100
110 2.2 33.2 49.8#
77 34.2 25.9 38.9

