

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041124\
 Data File : VU058602.D
 Acq On : 11 Apr 2024 12:29
 Operator : MD/SY
 Sample : P1970-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ6

Quant Time: Apr 12 02:26:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 12 02:25:12 2024
 Response via : Initial Calibration

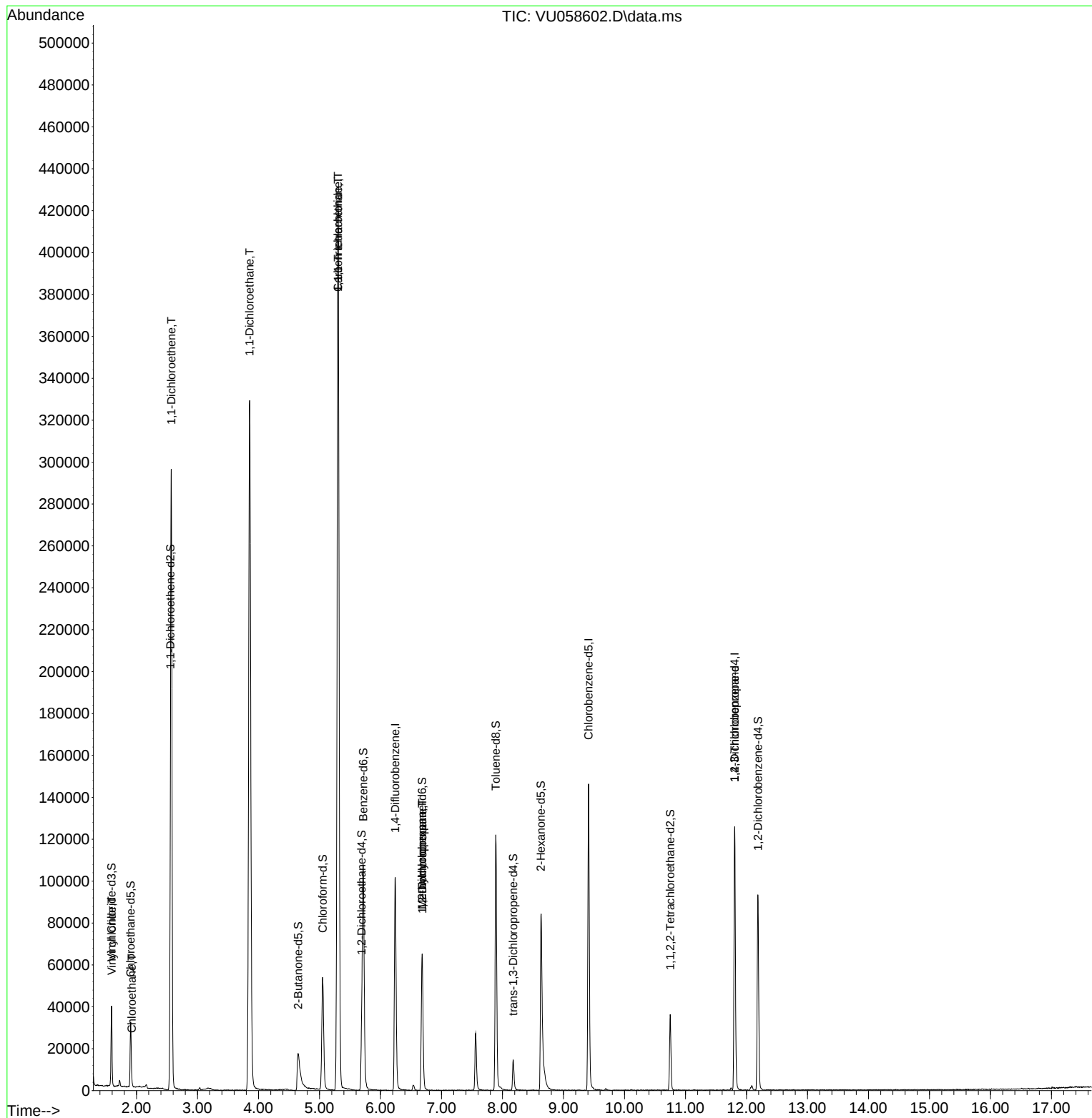
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	78476	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	76620	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	32547	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	23436	4.511	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.200%
7) Chloroethane-d5	1.904	69	20796	4.606	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.200%
11) 1,1-Dichloroethene-d2	2.557	65	11714	4.981	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.600%
20) 2-Butanone-d5	4.650	46	39057	35.671	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.340%
24) Chloroform-d	5.052	84	49666	4.789	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
26) 1,2-Dichloroethane-d4	5.692	65	23854	4.928	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	5.717	84	96888	4.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.682	67	31189	4.821	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.891	98	81070	4.432	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
43) trans-1,3-Dichloroprop...	8.174	79	8589	4.277	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.600%
46) 2-Hexanone-d5	8.631	63	32155	38.823	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.640%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	18301	4.007	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	23806	4.343	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.800%
Target Compounds						
5) Vinyl chloride	1.595	62	2780	0.348	ug/L #	78
8) Chloroethane	1.923	64	1060	0.210	ug/L	92
12) 1,1-Dichloroethene	2.570	96	83878	15.082	ug/L #	84
19) 1,1-Dichloroethane	3.856	63	387912	30.490	ug/L	98
29) 1,1,1-Trichloroethane	5.303	97	293099	28.532	ug/L	97
31) Carbon tetrachloride	5.303	117	36789	4.229	ug/L	100
35) Methylcyclohexane	6.682	83	6952	0.659	ug/L #	16
37) 1,2-Dichloropropane	6.685	63	3451	0.472	ug/L #	90
61) 1,2,3-Trichloropropane	11.807	75	4524	1.362	ug/L #	71

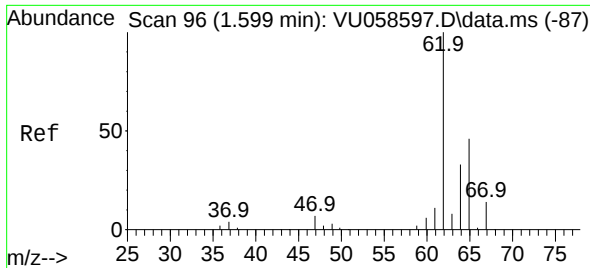
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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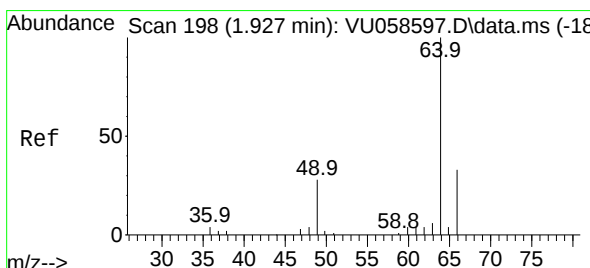
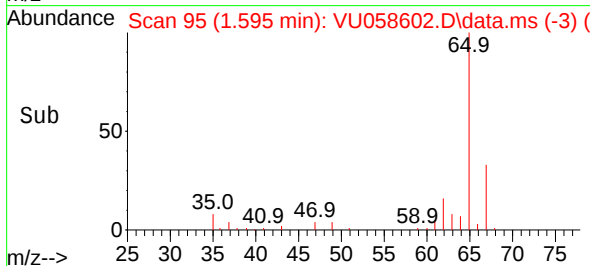
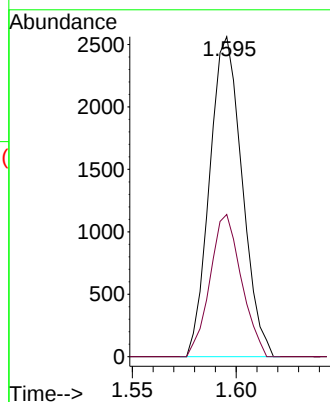
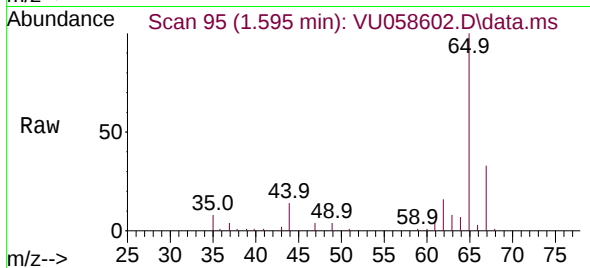




#5
 Vinyl chloride
 Concen: 0.348 ug/L
 RT: 1.595 min Scan# 96
 Delta R.T. -0.003 min
 Lab File: VU058602.D
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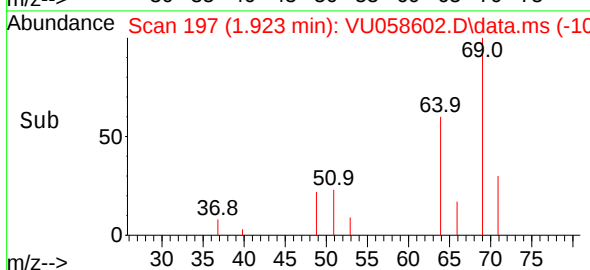
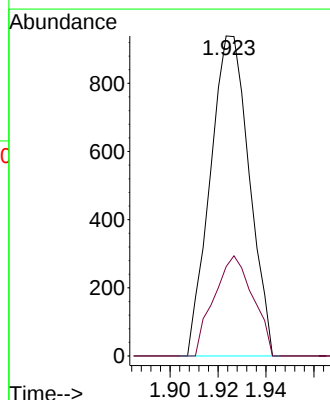
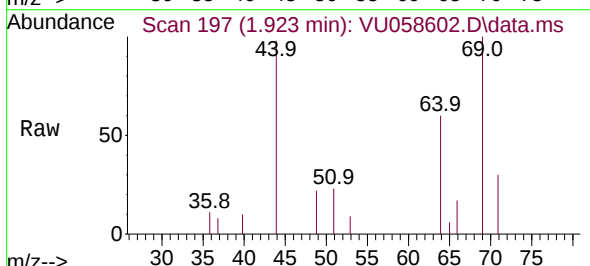
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ6

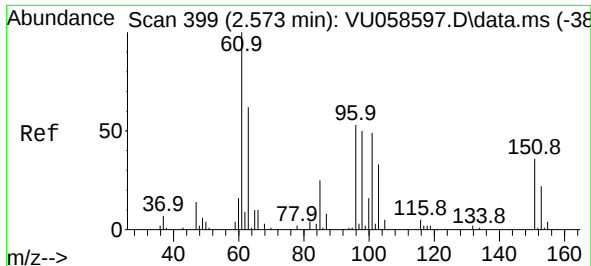
Tgt Ion: 62 Resp: 2780
 Ion Ratio Lower Upper
 62 100
 64 44.4 22.6 42.0#



#8
 Chloroethane
 Concen: 0.210 ug/L
 RT: 1.923 min Scan# 197
 Delta R.T. -0.003 min
 Lab File: VU058602.D
 Acq: 11 Apr 2024 12:29

Tgt Ion: 64 Resp: 1060
 Ion Ratio Lower Upper
 64 100
 66 27.9 22.5 41.9





#12

1,1-Dichloroethene

Concen: 15.082 ug/L

RT: 2.570 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU058602.D

Acq: 11 Apr 2024 12:29

Instrument :

MSVOA_U

ClientSampleId :

C0AJ6

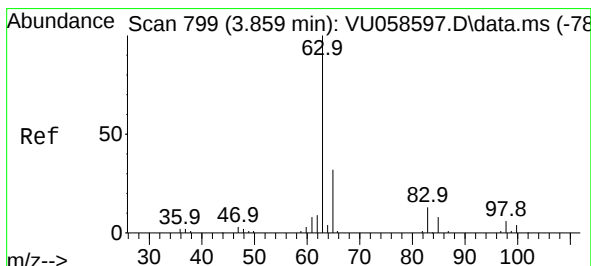
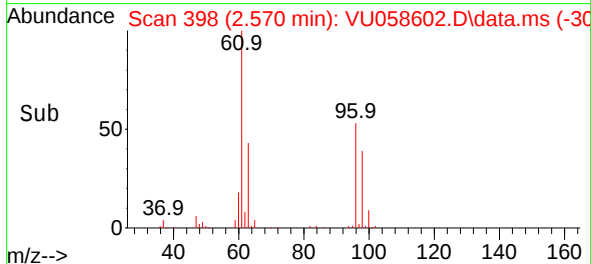
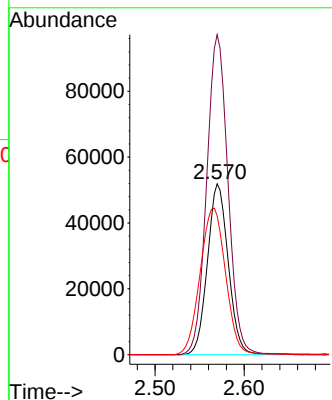
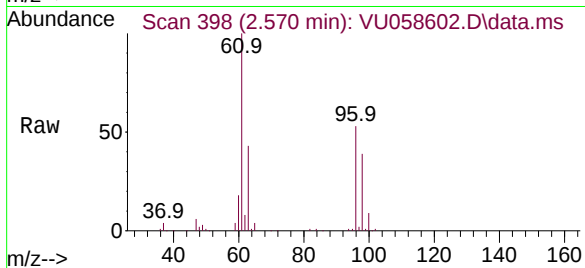
Tgt Ion: 96 Resp: 83878

Ion Ratio Lower Upper

96 100

61 187.2 132.5 246.1

63 81.3 87.7 162.9#



#19

1,1-Dichloroethane

Concen: 30.490 ug/L

RT: 3.856 min Scan# 798

Delta R.T. -0.003 min

Lab File: VU058602.D

Acq: 11 Apr 2024 12:29

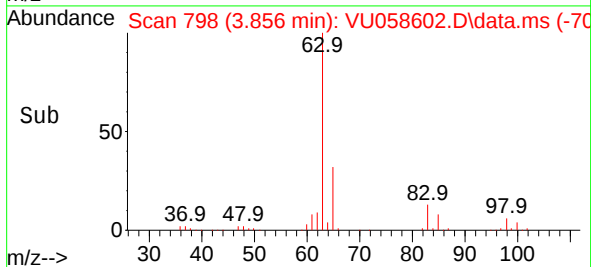
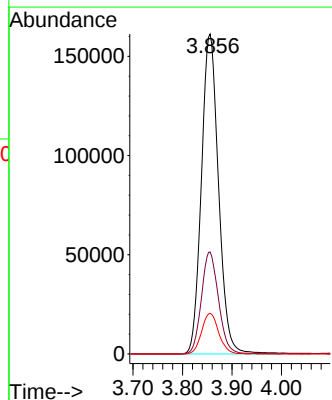
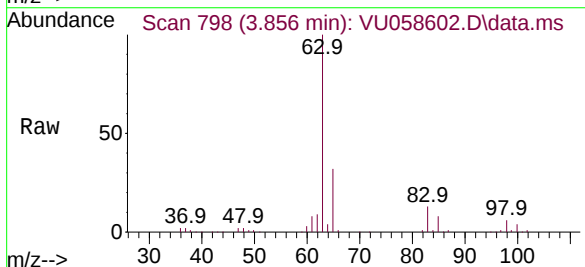
Tgt Ion: 63 Resp: 387912

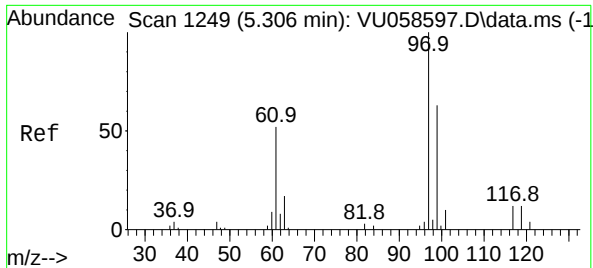
Ion Ratio Lower Upper

63 100

65 31.9 22.9 42.5

83 12.7 9.6 17.8

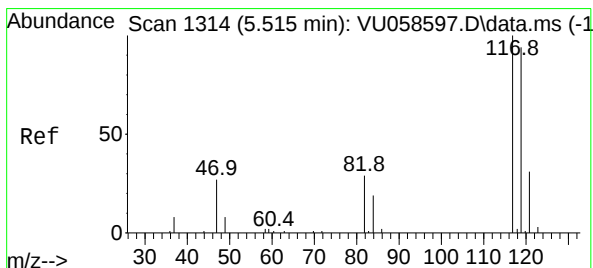
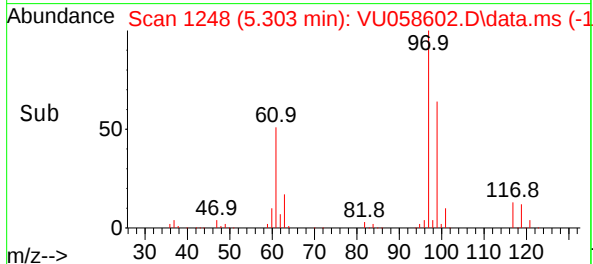
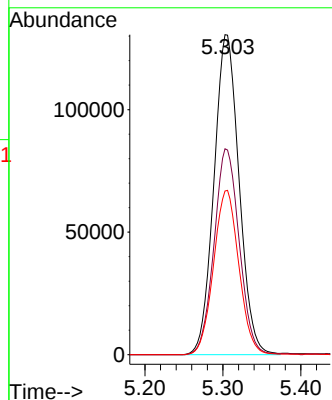
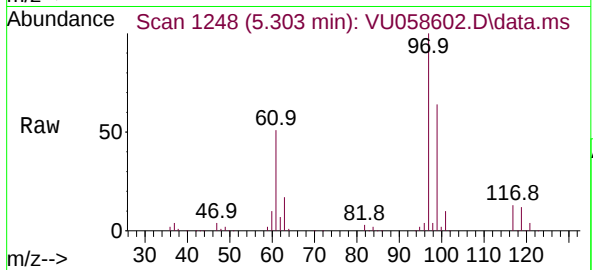




#29
1,1,1-Trichloroethane
Concen: 28.532 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. -0.003 min
Lab File: VU058602.D
Acq: 11 Apr 2024 12:29

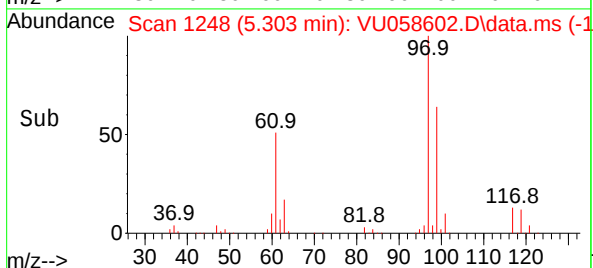
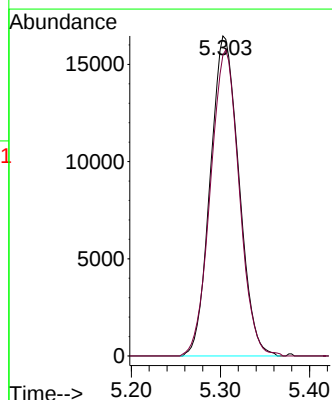
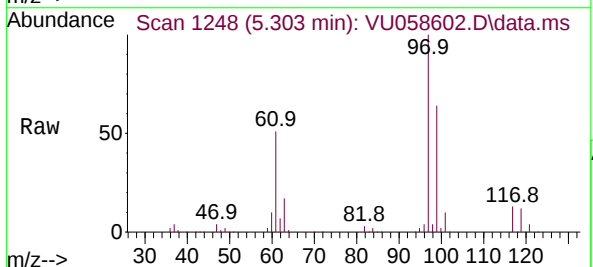
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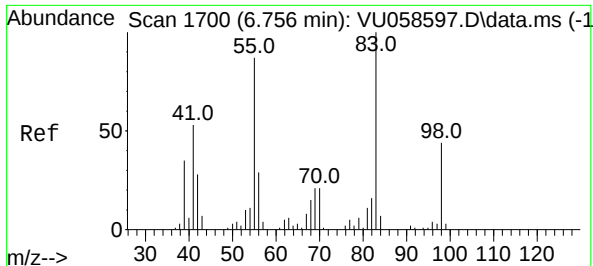
Tgt Ion: 97 Resp: 293099
Ion Ratio Lower Upper
97 100
99 64.6 50.4 75.6
61 51.6 39.4 59.0



#31
Carbon tetrachloride
Concen: 4.229 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. -0.212 min
Lab File: VU058602.D
Acq: 11 Apr 2024 12:29

Tgt Ion:117 Resp: 36789
Ion Ratio Lower Upper
117 100
119 96.1 76.7 115.1





#35

Methylcyclohexane

Concen: 0.659 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU058602.D

Acq: 11 Apr 2024 12:29

Instrument :

MSVOA_U

ClientSampleId :

C0AJ6

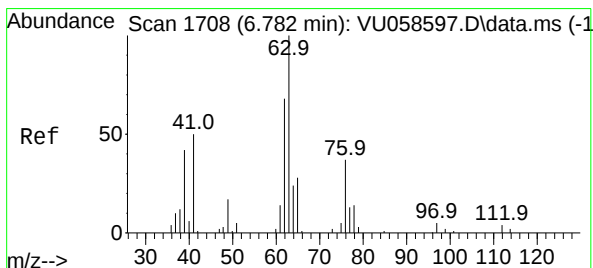
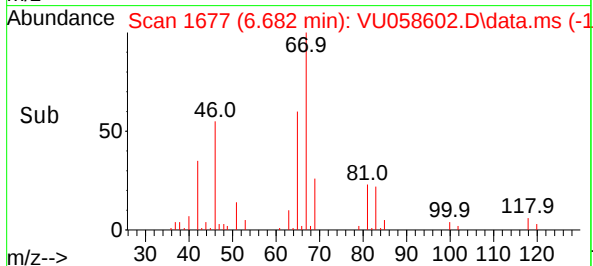
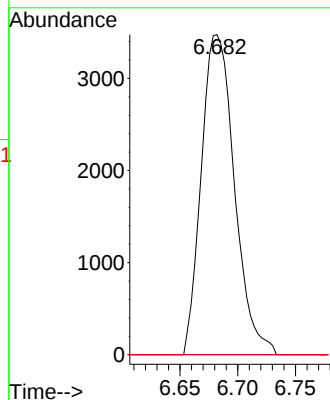
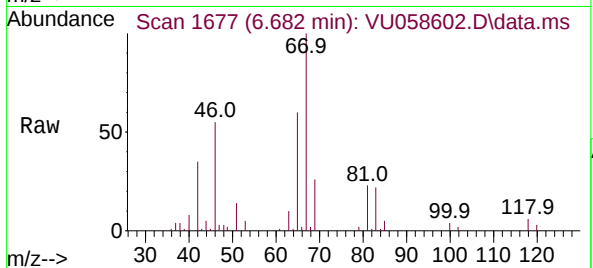
Tgt Ion: 83 Resp: 6952

Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

98 0.0 34.6 52.0#



#37

1,2-Dichloropropane

Concen: 0.472 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.096 min

Lab File: VU058602.D

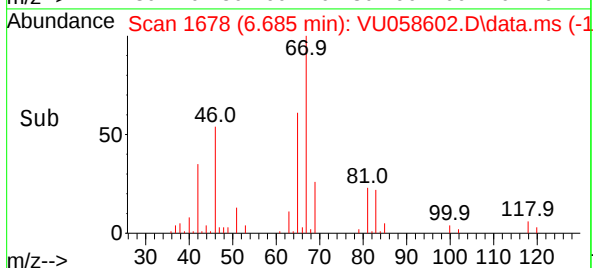
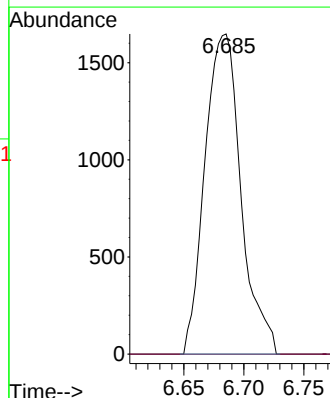
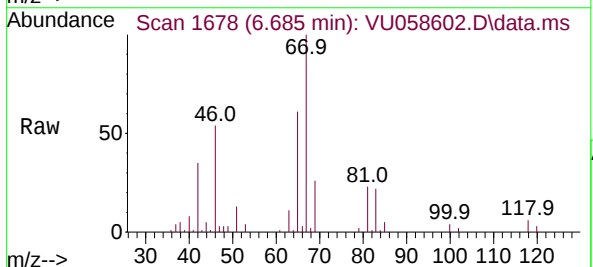
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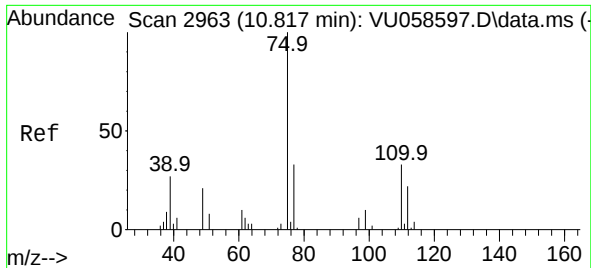
Tgt Ion: 63 Resp: 3451

Ion Ratio Lower Upper

63 100

112 0.0 2.6 4.0#





#61
 1,2,3-Trichloropropane
 Concen: 1.362 ug/L
 RT: 11.807 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU058602.D
 Acq: 11 Apr 2024 12:29

Instrument :
 MSVOA_U
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Tgt Ion: 75 Resp: 4524
 Ion Ratio Lower Upper
 75 100
 110 0.0 25.8 38.6#
 77 31.4 25.1 37.7

