

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040824\
 Data File : VU058472.D
 Acq On : 08 Apr 2024 16:37
 Operator : MD/SY
 Sample : P1948-13DL 200X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 09 04:26:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 09 04:22:28 2024
 Response via : Initial Calibration

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

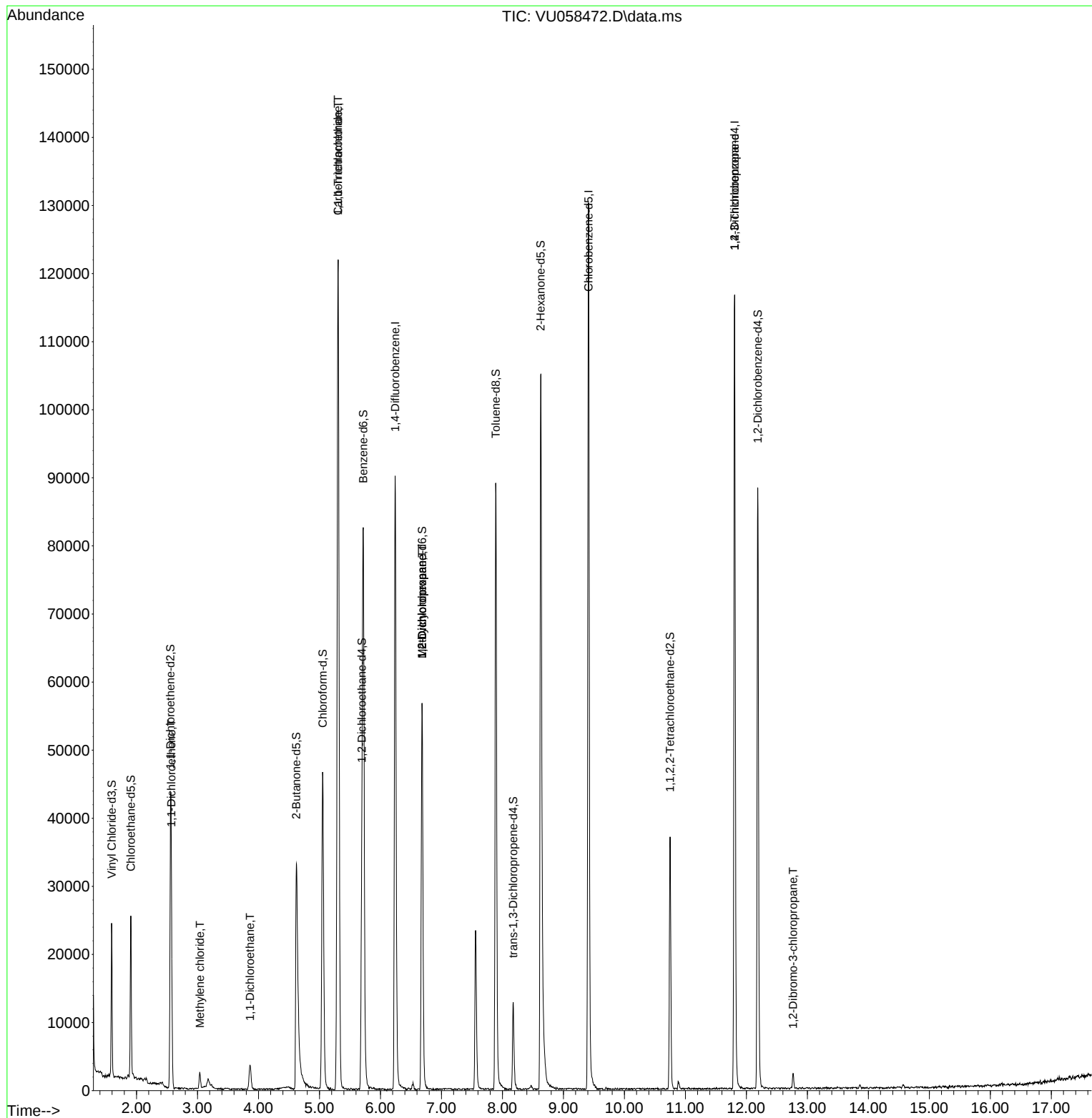
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	71886	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	68736	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	30450	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	15126	3.178	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	63.600%		
7) Chloroethane-d5	1.907	69	15790	3.818	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	76.400%		
11) 1,1-Dichloroethene-d2	2.557	65	6847	3.179	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	63.600%		
20) 2-Butanone-d5	4.621	46	55803	55.637	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	111.280%		
24) Chloroform-d	5.052	84	43215	4.549	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	91.000%		
26) 1,2-Dichloroethane-d4	5.695	65	22253	5.019	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	100.400%		
32) Benzene-d6	5.718	84	75289	4.068	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	81.400%		
36) 1,2-Dichloropropane-d6	6.682	67	27280	4.701	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	94.000%		
41) Toluene-d8	7.891	98	61420	3.743	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	74.800%		
43) trans-1,3-Dichloroprop...	8.177	79	7676	4.261	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	85.200%		
46) 2-Hexanone-d5	8.627	63	37058	49.875	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	99.740%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	19280	4.706	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	94.200%		
66) 1,2-Dichlorobenzene-d4	12.187	152	23285	4.540	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	90.800%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.573	96	5225	1.026	ug/L #	42
16) Methylene chloride	3.039	84	980	0.145	ug/L	94
19) 1,1-Dichloroethane	3.862	63	5039	0.432	ug/L	94
29) 1,1,1-Trichloroethane	5.306	97	86107	9.344	ug/L	99
31) Carbon tetrachloride	5.306	117	10246	1.313	ug/L	98
35) Methylcyclohexane	6.682	83	6024	0.637	ug/L #	16
37) 1,2-Dichloropropane	6.682	63	2973	0.454	ug/L #	90
61) 1,2,3-Trichloropropane	11.807	75	4184	1.347	ug/L #	69
68) 1,2-Dibromo-3-chloropr...	12.766	75	43	0.082	ug/L #	4

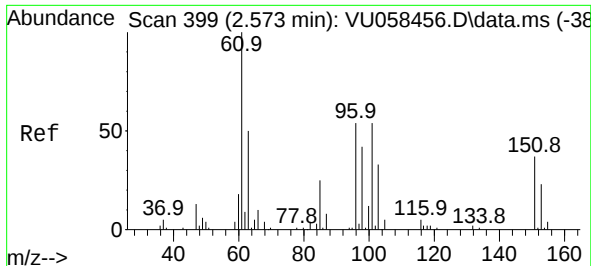
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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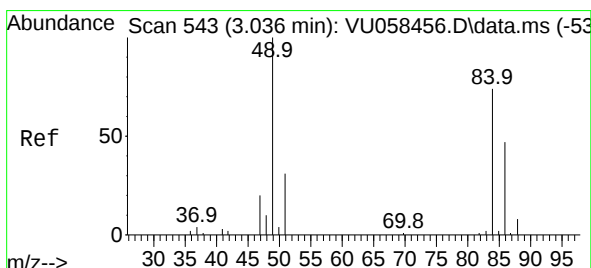
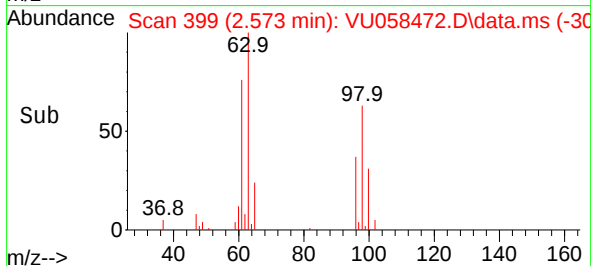
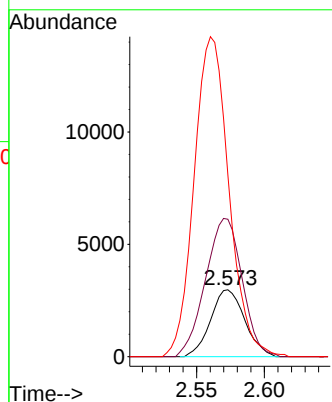
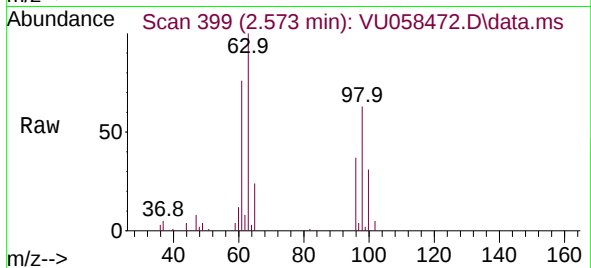




#12
1,1-Dichloroethene
Concen: 1.026 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU058472.D
Acq: 08 Apr 2024 16:37

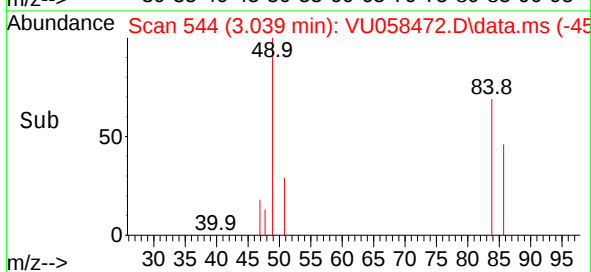
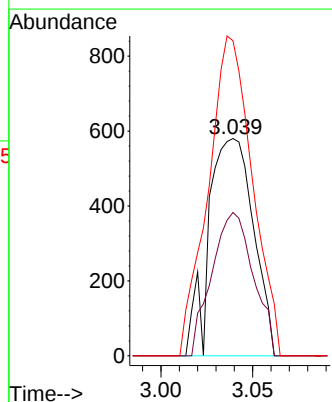
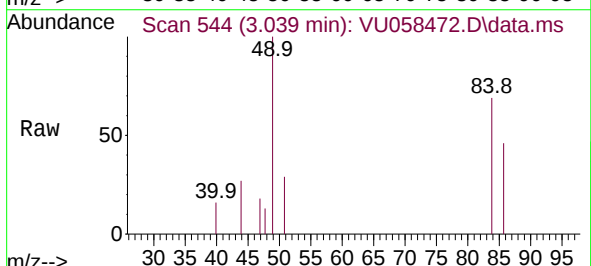
Instrument :
MSVOA_U
ClientSampleId :

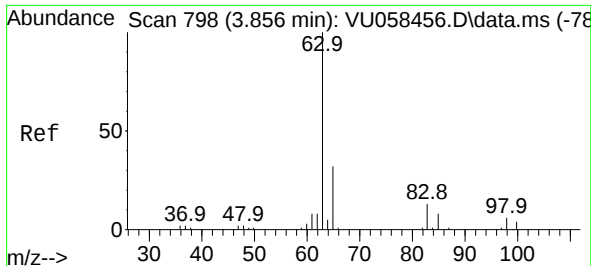
Tgt Ion: 96 Resp: 5225
Ion Ratio Lower Upper
96 100
61 205.7 132.5 246.1
63 272.1 87.7 162.9#



#16
Methylene chloride
Concen: 0.145 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU058472.D
Acq: 08 Apr 2024 16:37

Tgt Ion: 84 Resp: 980
Ion Ratio Lower Upper
84 100
86 66.0 44.3 82.3
49 145.0 96.0 178.2





#19

1,1-Dichloroethane

Concen: 0.432 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.007 min

Lab File: VU058472.D

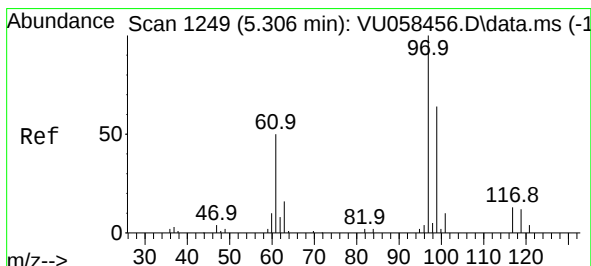
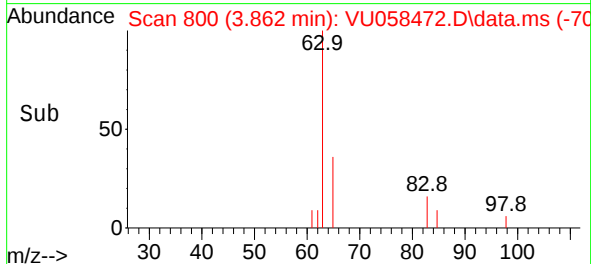
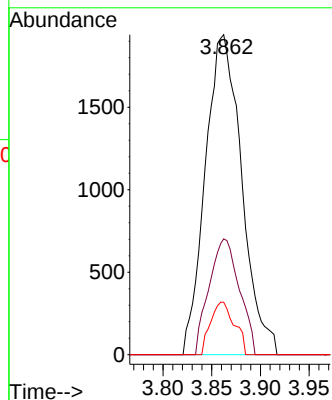
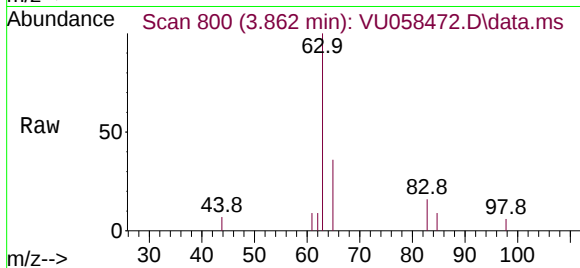
Acq: 08 Apr 2024 16:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 5039
Ion Ratio	Lower Upper
63 100	
65 36.2	22.9 42.5
83 16.4	9.6 17.8



#29

1,1,1-Trichloroethane

Concen: 9.344 ug/L

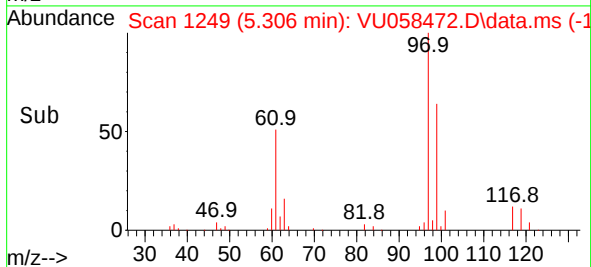
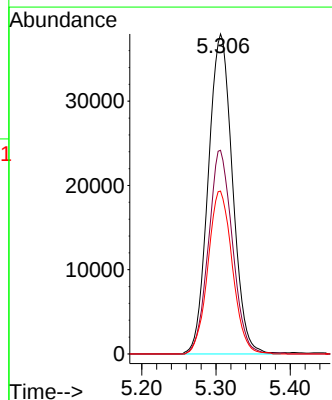
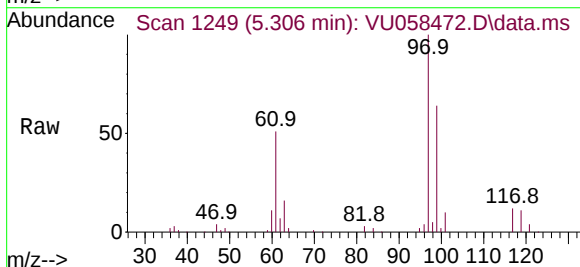
RT: 5.306 min Scan# 1249

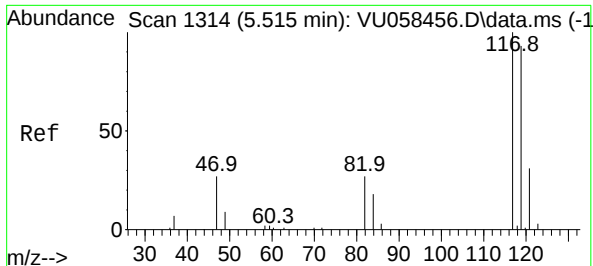
Delta R.T. 0.000 min

Lab File: VU058472.D

Acq: 08 Apr 2024 16:37

Tgt Ion: 97	Resp: 86107
Ion Ratio	Lower Upper
97 100	
99 63.1	50.4 75.6
61 51.1	39.4 59.0

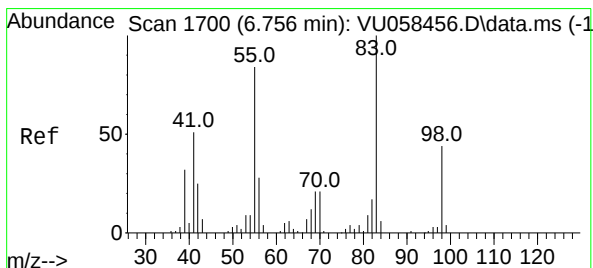
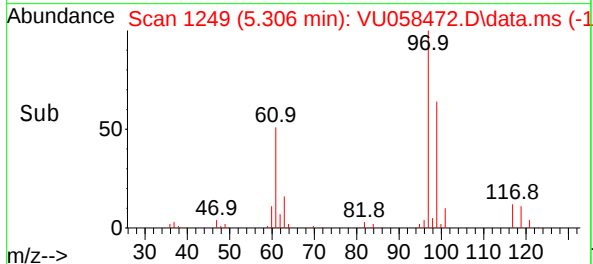
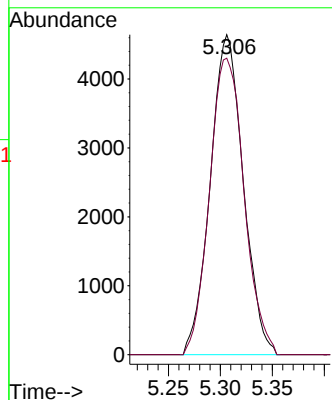
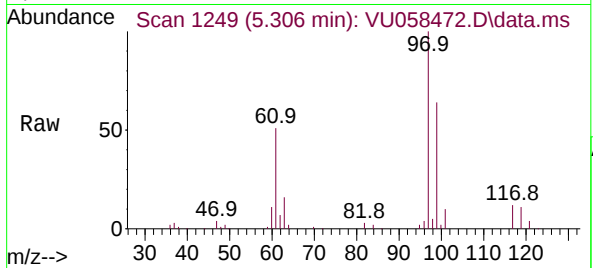




#31
Carbon tetrachloride
Concen: 1.313 ug/L
RT: 5.306 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU058472.D
Acq: 08 Apr 2024 16:37

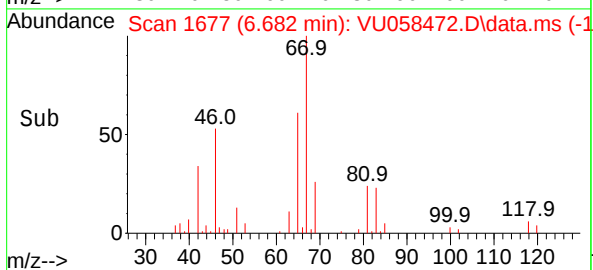
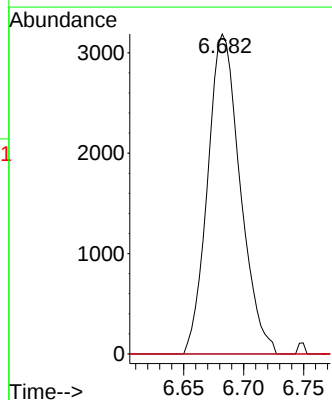
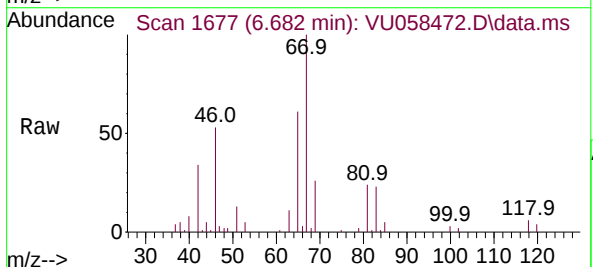
Instrument :
MSVOA_U
ClientSampleId :

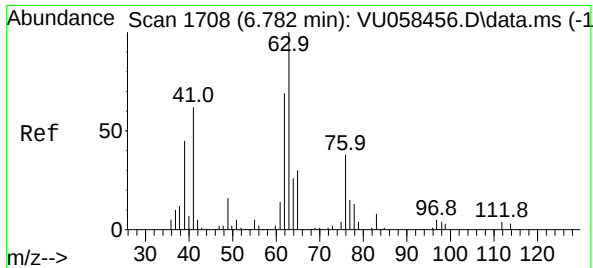
Tgt Ion:117 Resp: 10246
Ion Ratio Lower Upper
117 100
119 97.4 76.7 115.1



#35
Methylcyclohexane
Concen: 0.637 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU058472.D
Acq: 08 Apr 2024 16:37

Tgt Ion: 83 Resp: 6024
Ion Ratio Lower Upper
83 100
55 0.0 66.2 99.4#
98 0.0 34.6 52.0#

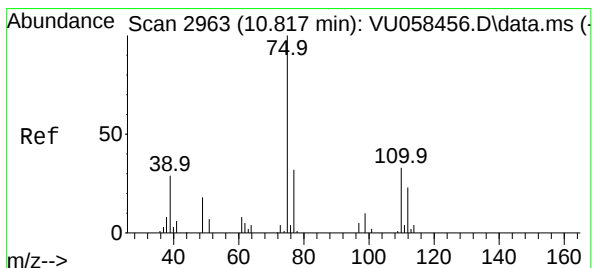
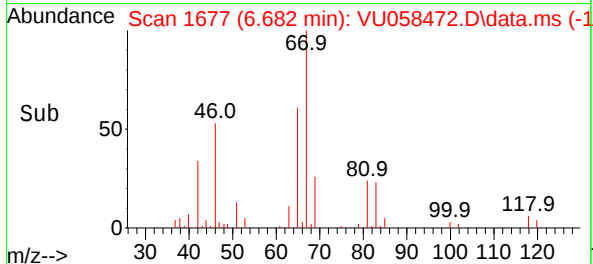
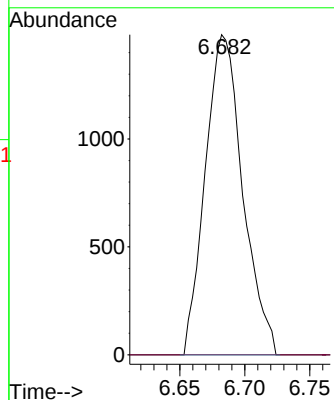
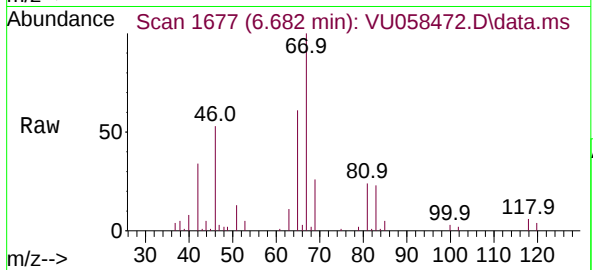




#37
1,2-Dichloropropane
Concen: 0.454 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.099 min
Lab File: VU058472.D
Acq: 08 Apr 2024 16:37

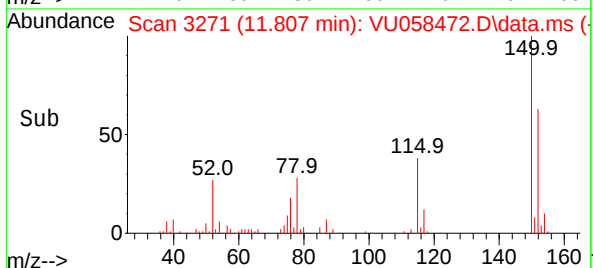
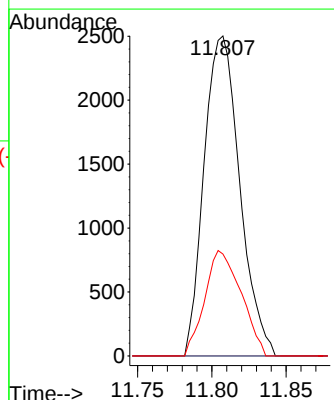
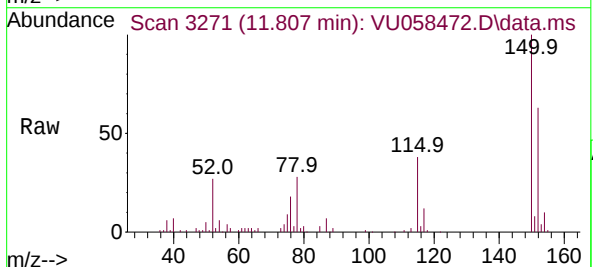
Instrument :
MSVOA_U
ClientSampleId :

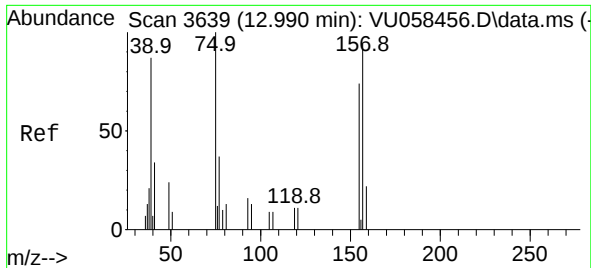
Tgt Ion: 63 Resp: 2973
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#



#61
1,2,3-Trichloropropane
Concen: 1.347 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.991 min
Lab File: VU058472.D
Acq: 08 Apr 2024 16:37

Tgt Ion: 75 Resp: 4184
Ion Ratio Lower Upper
75 100
110 0.0 25.8 38.6#
77 33.5 25.1 37.7





#68

1,2-Dibromo-3-chloropropane

Concen: 0.082 ug/L

RT: 12.766 min Scan# 3

Delta R.T. -0.225 min

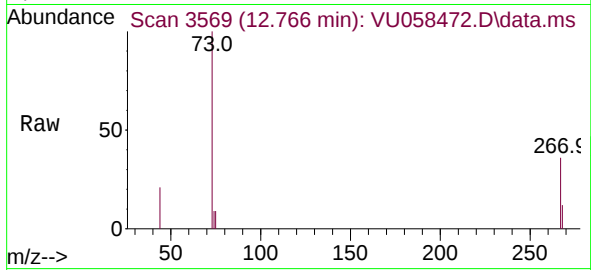
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Instrument :

MSVOA_U

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Tgt Ion: 75 Resp: 43

Ion Ratio Lower Upper

75 100

155 0.0 61.4 92.0#

157 0.0 81.7 122.5#

