

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040424\
 Data File : VU058390.D
 Acq On : 05 Apr 2024 01:08
 Operator : MD/SY
 Sample : P1970-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 05 02:24:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 05 00:02:56 2024
 Response via : Initial Calibration

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

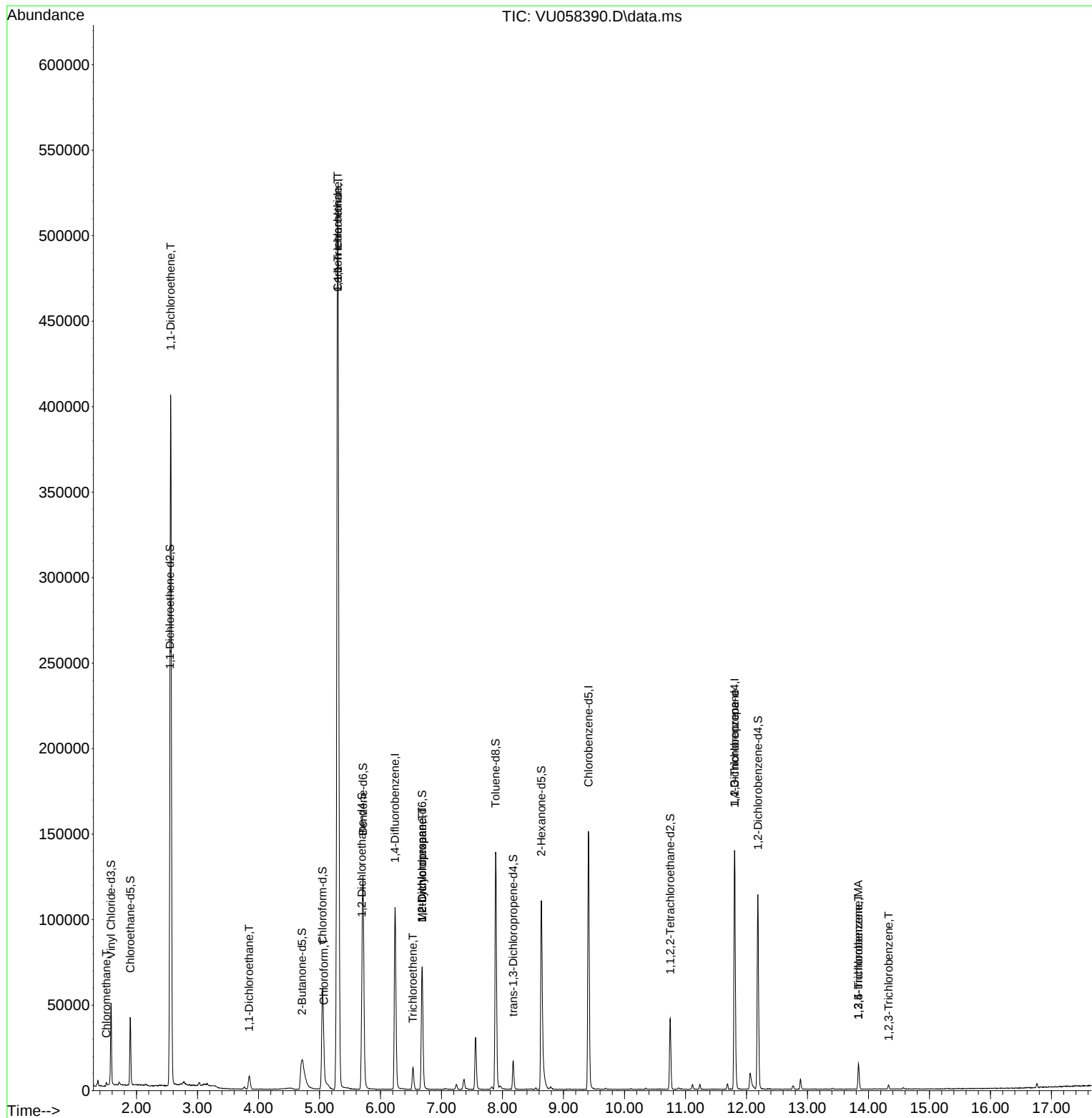
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	83131	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	80125	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	36019	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	30725	5.583	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.600%
7) Chloroethane-d5	1.898	69	26278	5.494	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.800%
11) 1,1-Dichloroethene-d2	2.547	65	14056	5.642	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	112.800%
20) 2-Butanone-d5	4.714	46	52051	44.877	ug/L	0.09
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.760%
24) Chloroform-d	5.049	84	53071	4.830	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.695	65	25791	5.030	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.600%
32) Benzene-d6	5.714	84	109048	5.055	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
36) 1,2-Dichloropropane-d6	6.682	67	34371	5.081	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.600%
41) Toluene-d8	7.888	98	91970	4.808	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
43) trans-1,3-Dichloroprop...	8.174	79	9419	4.485	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.800%
46) 2-Hexanone-d5	8.637	63	37185	42.932	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.860%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	20828	4.361	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	28522	4.702	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.000%
Target Compounds						Qvalue
3) Chloromethane	1.505	50	1162	0.137	ug/L	88
12) 1,1-Dichloroethene	2.560	96	108156	18.358	ug/L #	81
19) 1,1-Dichloroethane	3.846	63	8986	0.667	ug/L	98
25) Chloroform	5.074	83	6324	0.485	ug/L	99
29) 1,1,1-Trichloroethane	5.300	97	366245	34.093	ug/L	99
31) Carbon tetrachloride	5.300	117	45309	4.980	ug/L	97
34) Trichloroethene	6.531	95	4309	0.589	ug/L	96
35) Methylcyclohexane	6.682	83	7199	0.653	ug/L #	18
37) 1,2-Dichloropropane	6.682	63	3753	0.491	ug/L #	90
61) 1,2,3-Trichloropropane	11.804	75	5347	1.455	ug/L #	68
69) 1,3,5-Trichlorobenzene	13.836	180	4747	0.501	ug/L	95
70) 1,2,4-trichlorobenzene	13.836	180	4747	0.650	ug/L	92
72) 1,2,3-Trichlorobenzene	14.331	180	960	0.159	ug/L	87

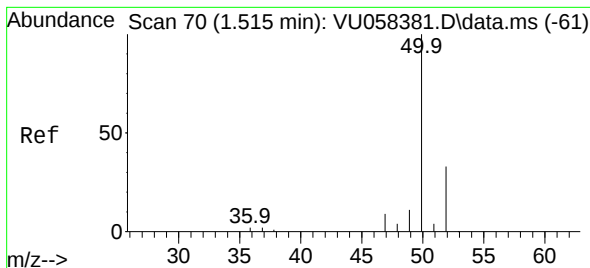
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.137 ug/L

RT: 1.505 min Scan# 61

Delta R.T. -0.010 min

Lab File: VU058390.D

Acq: 05 Apr 2024 01:08

Instrument :

MSVOA_U

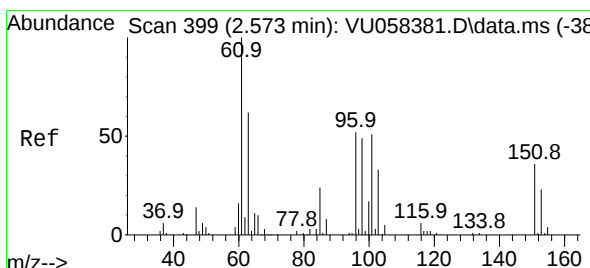
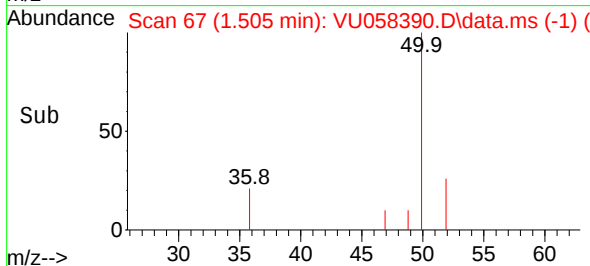
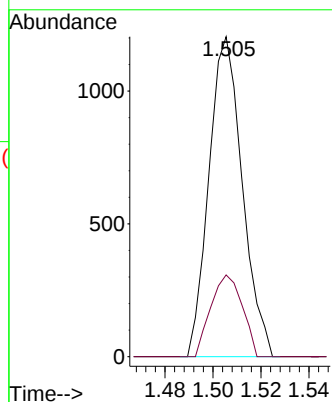
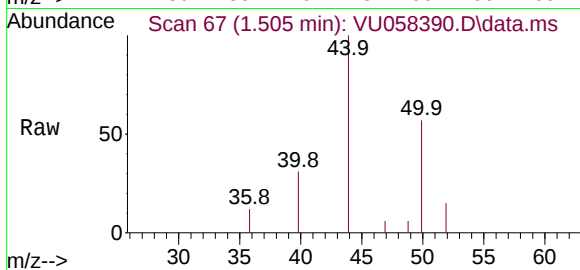
ClientSampleId :

Tgt Ion: 50 Resp: 1162

Ion Ratio Lower Upper

50 100

52 25.6 22.6 42.0



#12

1,1-Dichloroethene

Concen: 18.358 ug/L

RT: 2.560 min Scan# 395

Delta R.T. -0.013 min

Lab File: VU058390.D

Acq: 05 Apr 2024 01:08

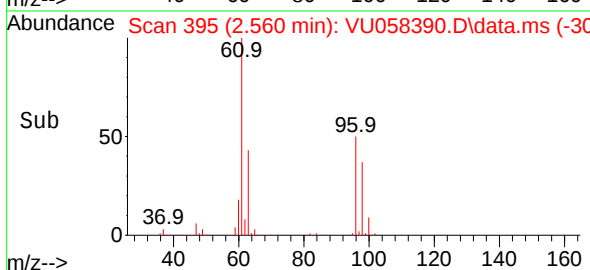
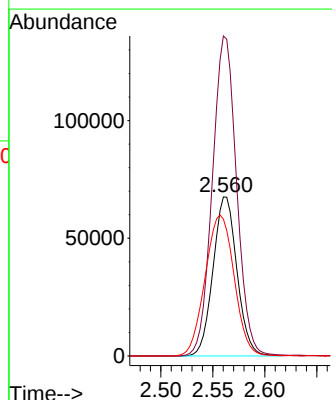
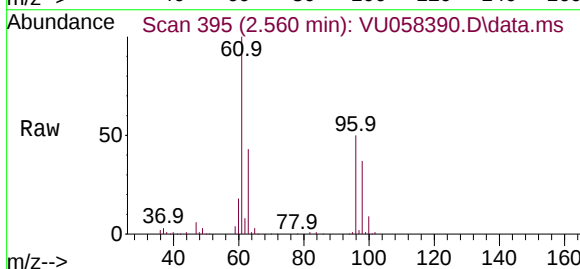
Tgt Ion: 96 Resp: 108156

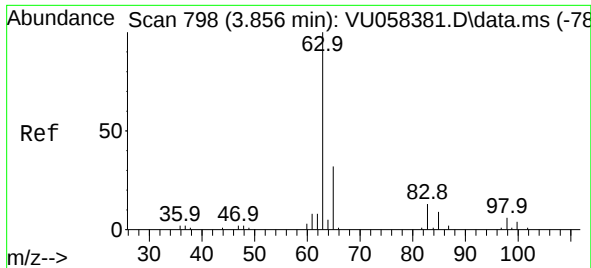
Ion Ratio Lower Upper

96 100

61 201.1 132.5 246.1

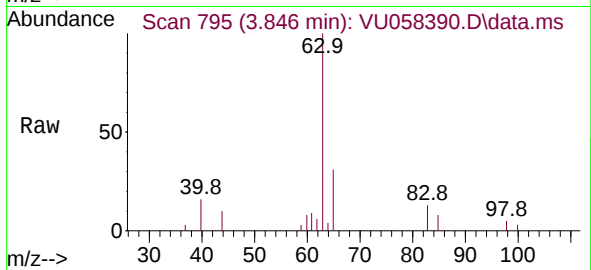
63 86.0 87.7 162.9#



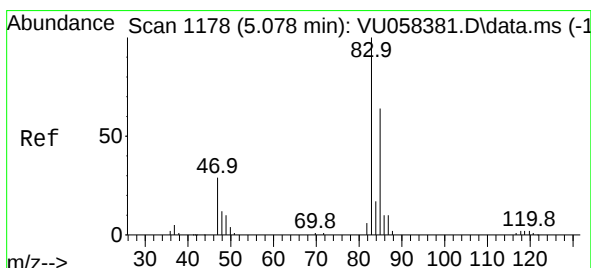
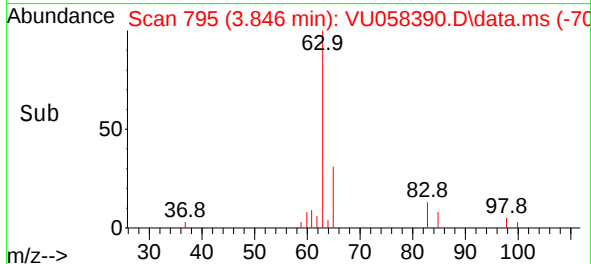
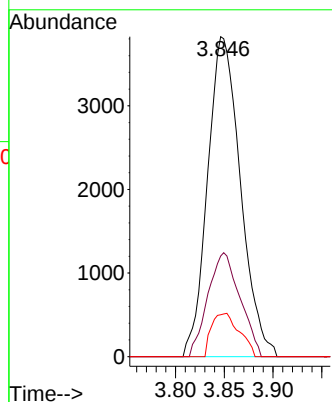


#19
1,1-Dichloroethane
Concen: 0.667 ug/L
RT: 3.846 min Scan# 798
Delta R.T. -0.010 min
Lab File: VU058390.D
Acq: 05 Apr 2024 01:08

Instrument :
MSVOA_U
ClientSampleId :

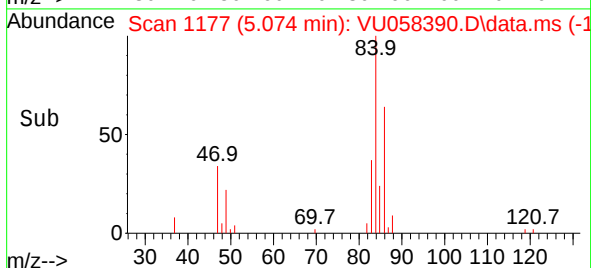
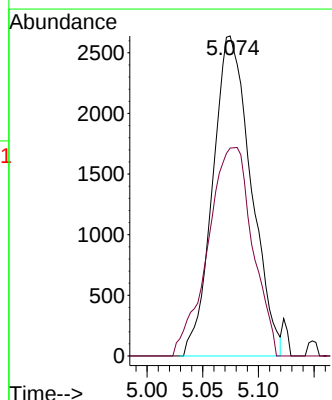
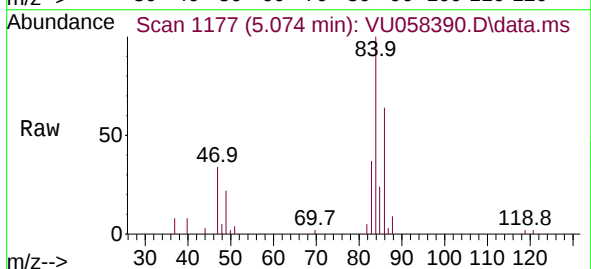


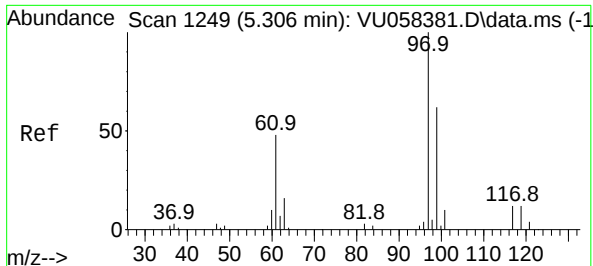
Tgt Ion: 63 Resp: 8986
Ion Ratio Lower Upper
63 100
65 31.4 22.9 42.5
83 13.1 9.6 17.8



#25
Chloroform
Concen: 0.485 ug/L
RT: 5.074 min Scan# 1177
Delta R.T. -0.003 min
Lab File: VU058390.D
Acq: 05 Apr 2024 01:08

Tgt Ion: 83 Resp: 6324
Ion Ratio Lower Upper
83 100
85 64.9 44.7 83.1

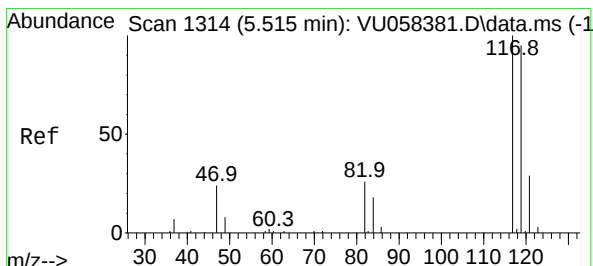
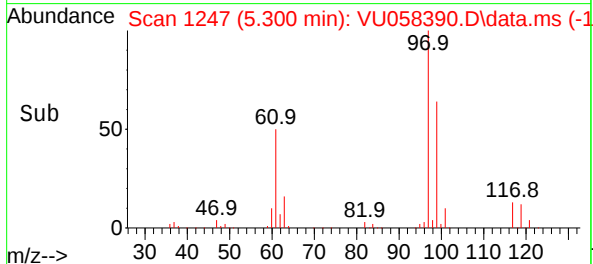
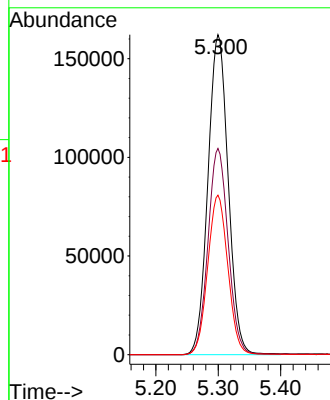
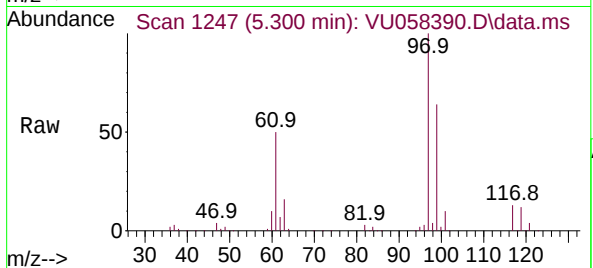




#29
1,1,1-Trichloroethane
Concen: 34.093 ug/L
RT: 5.300 min Scan# 1247
Delta R.T. -0.007 min
Lab File: VU058390.D
Acq: 05 Apr 2024 01:08

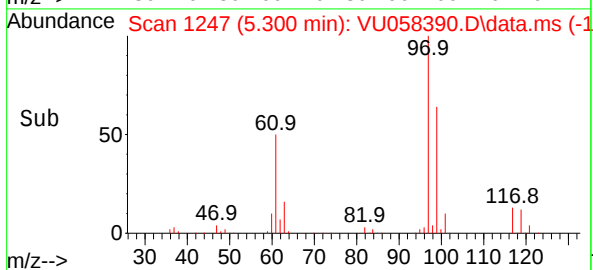
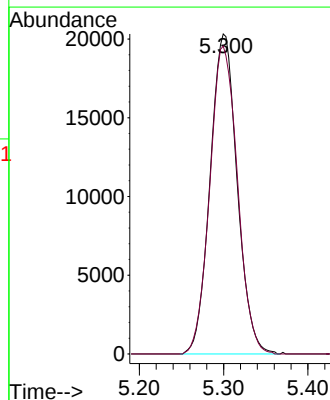
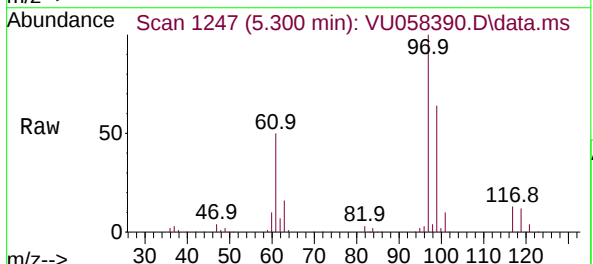
Instrument :
MSVOA_U
ClientSampleId :

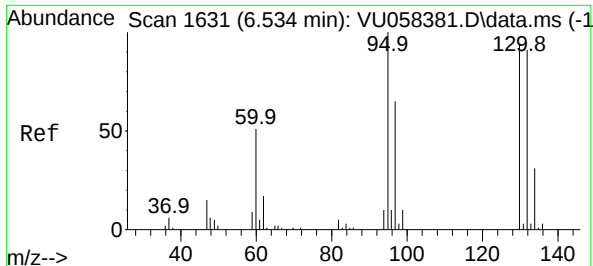
Tgt Ion: 97 Resp: 366245
Ion Ratio Lower Upper
97 100
99 64.1 50.4 75.6
61 49.6 39.4 59.0



#31
Carbon tetrachloride
Concen: 4.980 ug/L
RT: 5.300 min Scan# 1247
Delta R.T. -0.216 min
Lab File: VU058390.D
Acq: 05 Apr 2024 01:08

Tgt Ion:117 Resp: 45309
Ion Ratio Lower Upper
117 100
119 98.5 76.7 115.1





#34

Trichloroethene

Concen: 0.589 ug/L

RT: 6.531 min Scan# 1

Delta R.T. -0.003 min

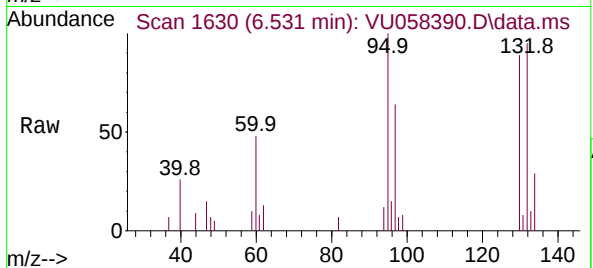
Lab File: VU058390.D

Acq: 05 Apr 2024 01:08

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 4309

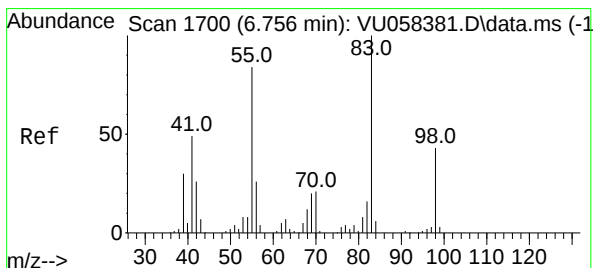
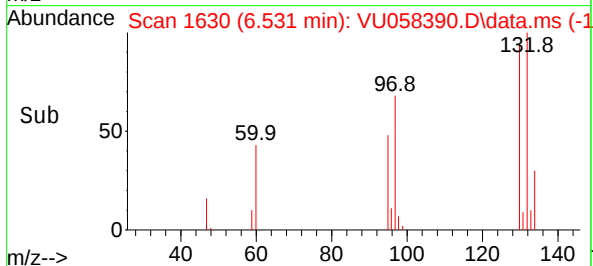
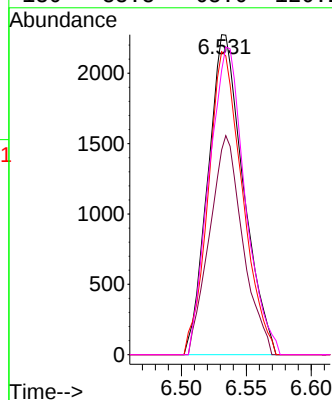
Ion Ratio Lower Upper

95 100

97 64.0 45.6 84.6

132 94.7 64.8 120.3

130 88.8 68.0 126.2



#35

Methylcyclohexane

Concen: 0.653 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU058390.D

Acq: 05 Apr 2024 01:08

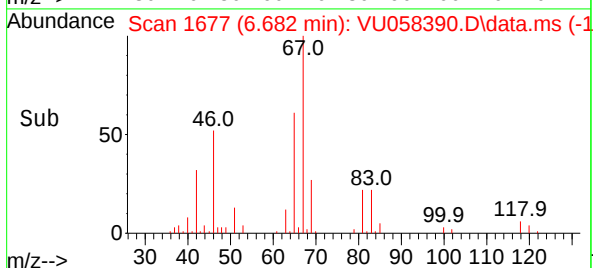
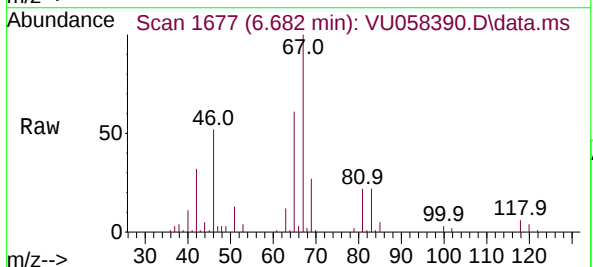
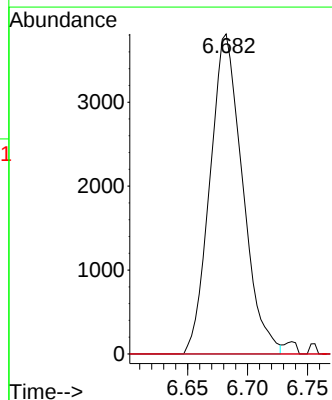
Tgt Ion: 83 Resp: 7199

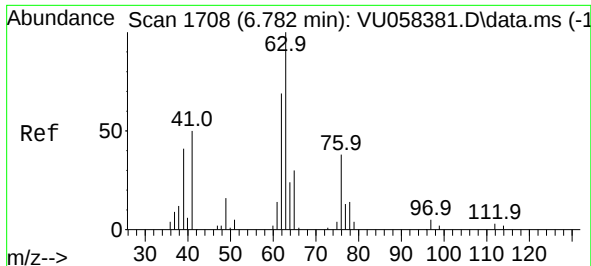
Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

98 2.6 34.6 52.0#

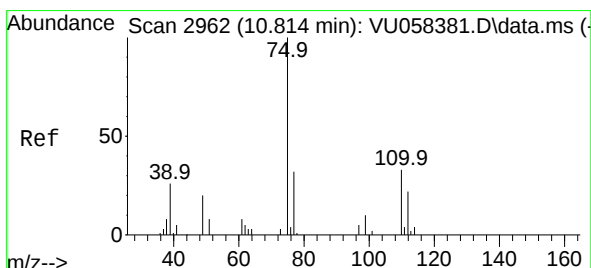
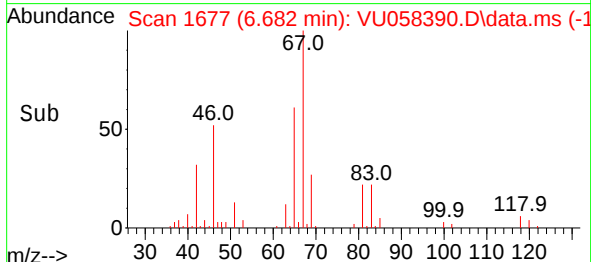
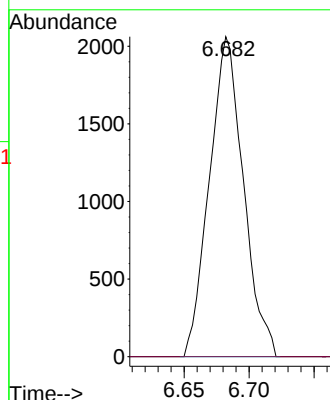
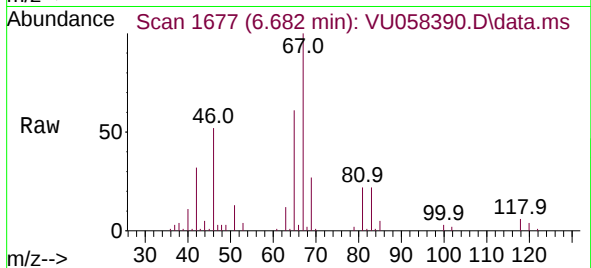




#37
1,2-Dichloropropane
Concen: 0.491 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU058390.D
Acq: 05 Apr 2024 01:08

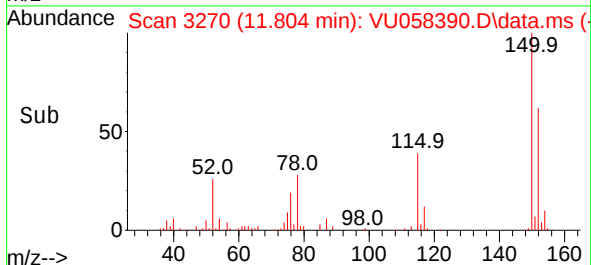
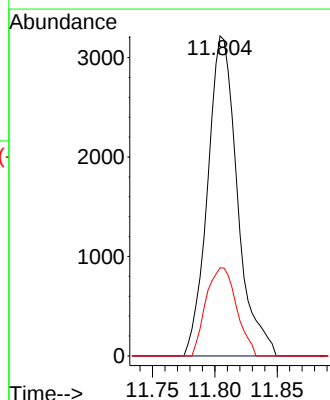
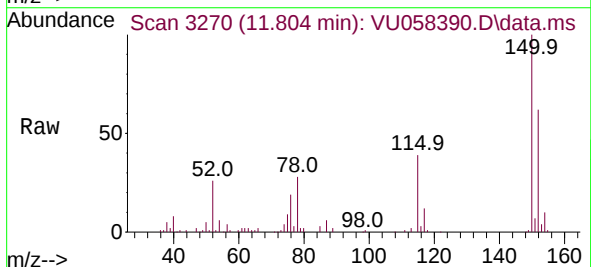
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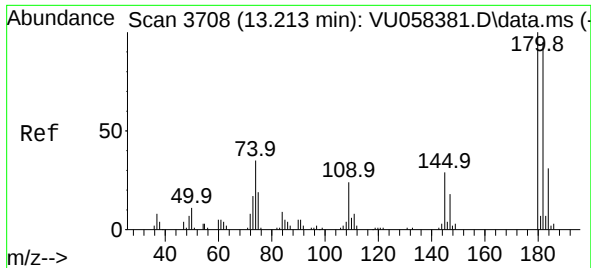
Tgt Ion: 63 Resp: 3753
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#



#61
1,2,3-Trichloropropane
Concen: 1.455 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.990 min
Lab File: VU058390.D
Acq: 05 Apr 2024 01:08

Tgt Ion: 75 Resp: 5347
Ion Ratio Lower Upper
75 100
110 0.0 25.8 38.6#
77 28.1 25.1 37.7





#69

1,3,5-Trichlorobenzene

Concen: 0.501 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.624 min

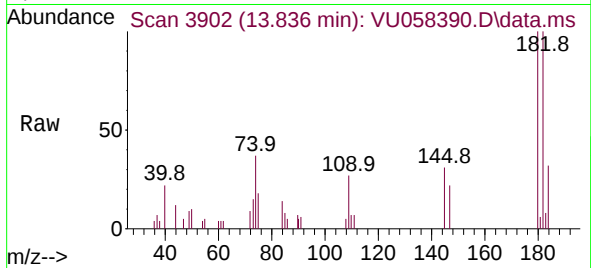
Lab File: VU058390.D

Acq: 05 Apr 2024 01:08

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 4747

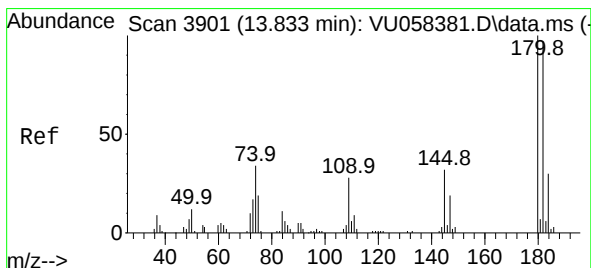
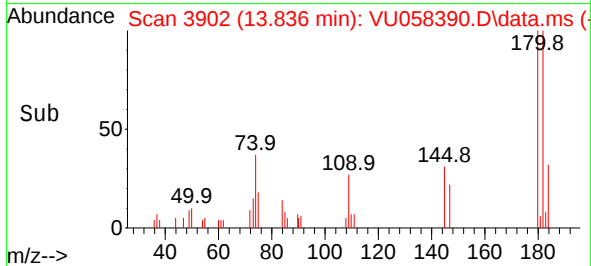
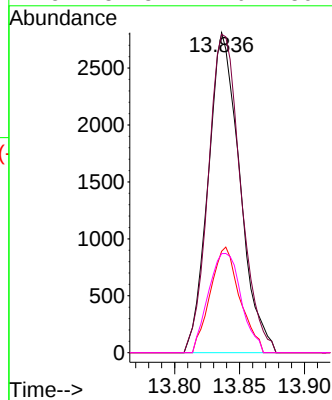
Ion Ratio Lower Upper

180 100

182 101.7 75.7 113.5

184 31.0 24.3 36.5

145 32.3 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 0.650 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU058390.D

Acq: 05 Apr 2024 01:08

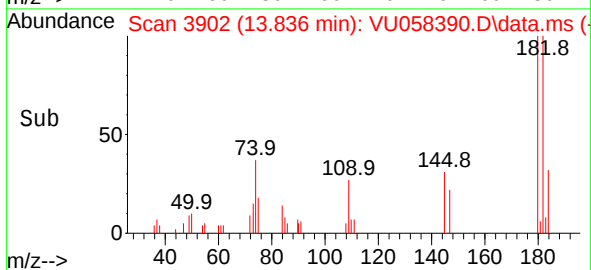
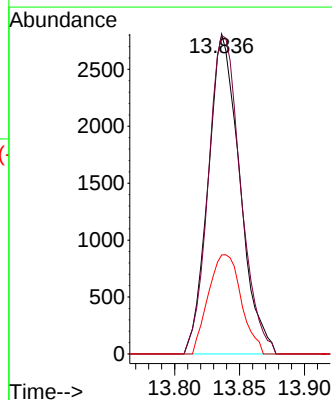
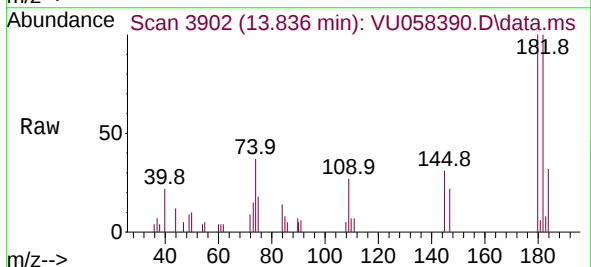
Tgt Ion:180 Resp: 4747

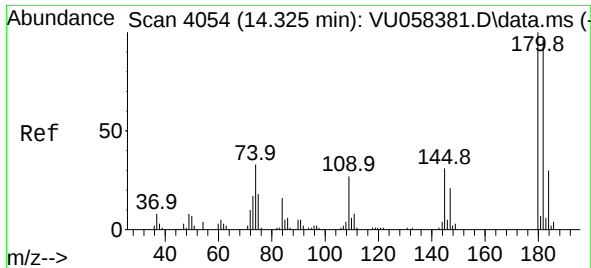
Ion Ratio Lower Upper

180 100

182 101.7 74.4 111.6

145 32.3 24.1 36.1





#72

1,2,3-Trichlorobenzene

Concen: 0.159 ug/L

RT: 14.331 min Scan# 4056

Delta R.T. 0.006 min

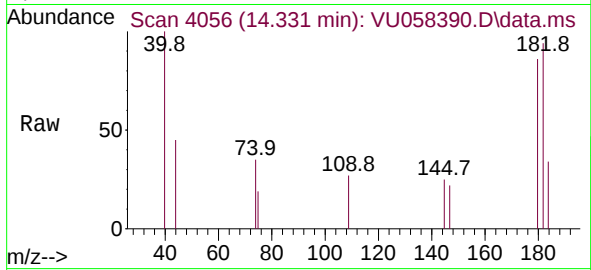
Lab File: VU058390.D

Acq: 05 Apr 2024 01:08

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 960

Ion Ratio Lower Upper

180 100

182 108.1 75.9 113.9

145 25.9 25.2 37.8

