

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020525\
 Data File : VU063156.D
 Acq On : 05 Feb 2025 13:47
 Operator : MD/SY
 Sample : Q1228-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 06 07:28:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 06 07:25:52 2025
 Response via : Initial Calibration

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

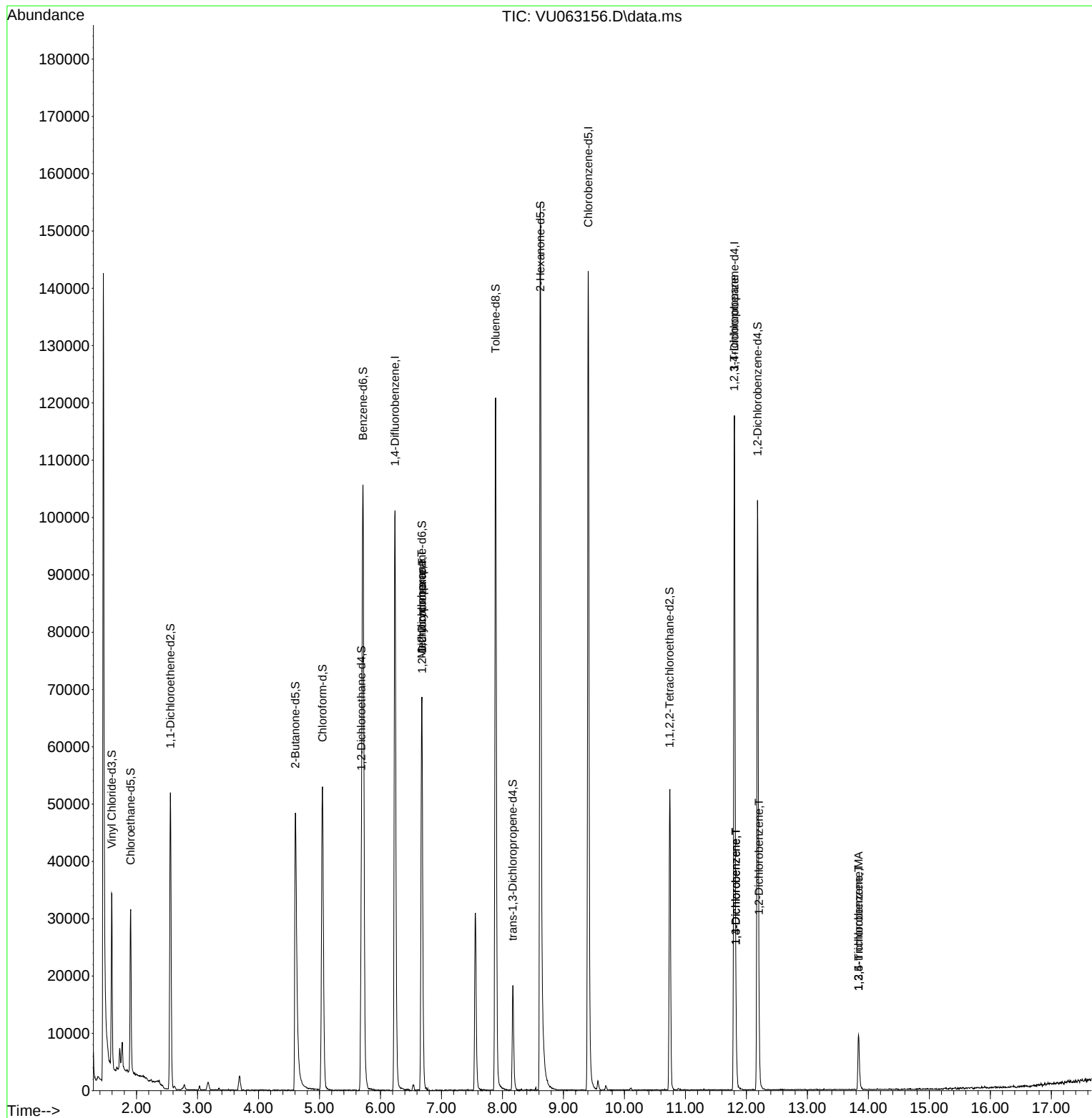
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	85074	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	81733	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	32561	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	21240	4.365	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.200%
7) Chloroethane-d5	1.904	69	21291	4.714	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.200%
11) 1,1-Dichloroethene-d2	2.557	65	9847	4.533	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.600%
20) 2-Butanone-d5	4.605	46	77339	48.277	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.560%
24) Chloroform-d	5.049	84	52018	4.835	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.689	65	27661	4.999	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
32) Benzene-d6	5.714	84	101695	4.770	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.679	67	35133	4.999	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.000%
41) Toluene-d8	7.888	98	83429	4.430	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
43) trans-1,3-Dichloroprop...	8.171	79	11368	4.317	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.400%
46) 2-Hexanone-d5	8.621	63	54878	41.402	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.800%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	28347	4.569	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	12.184	152	28509	5.243	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.800%
Target Compounds						
35) Methylcyclohexane	6.676	83	7542	0.737	ug/L #	18
37) 1,2-Dichloropropane	6.682	63	3482	0.485	ug/L #	90
61) 1,2,3-Trichloropropane	11.801	75	5005	1.274	ug/L #	63
64) 1,3-Dichlorobenzene	11.830	146	2717	0.259	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	2717	0.258	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	2349	0.240	ug/L	97
69) 1,3,5-Trichlorobenzene	13.839	180	4310	0.602	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	4310	0.765	ug/L	98

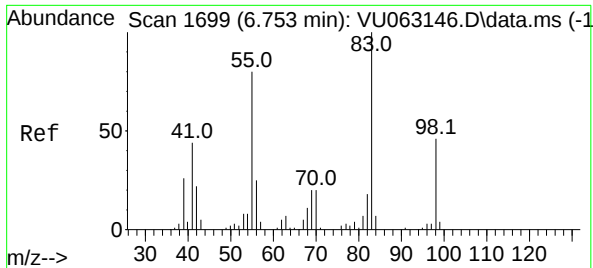
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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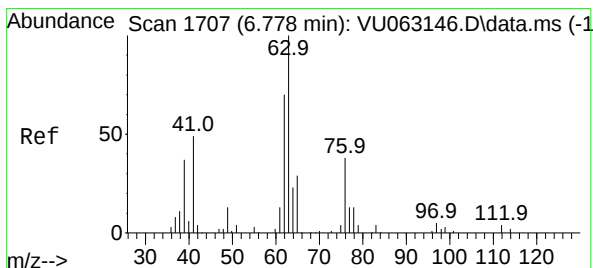
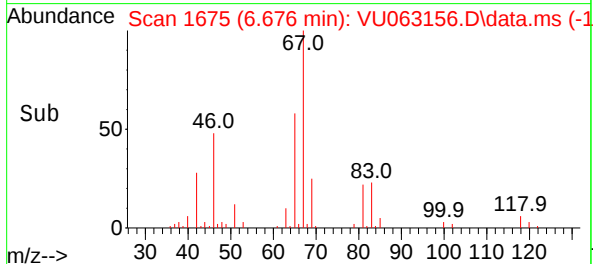
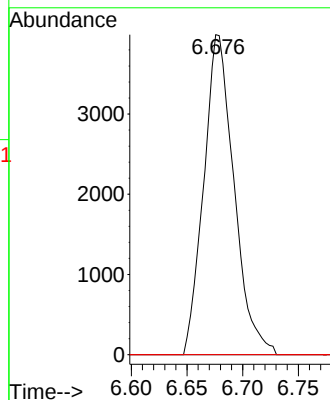
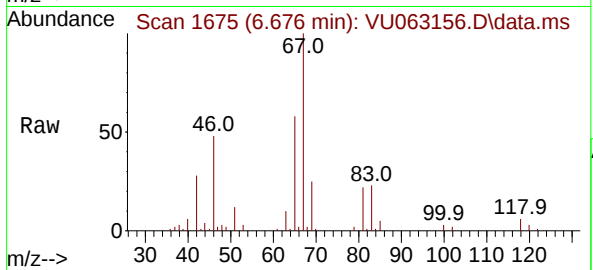




#35
Methylcyclohexane
Concen: 0.737 ug/L
RT: 6.676 min Scan# 1675
Delta R.T. -0.077 min
Lab File: VU063156.D
Acq: 05 Feb 2025 13:47

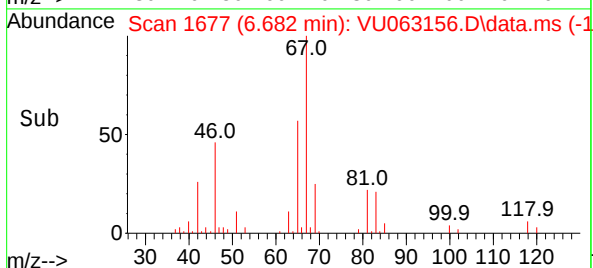
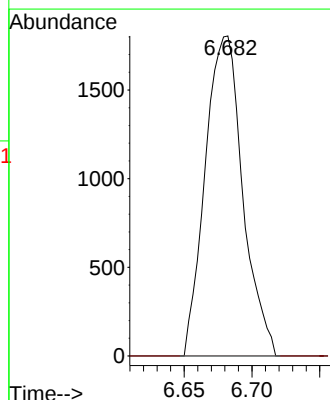
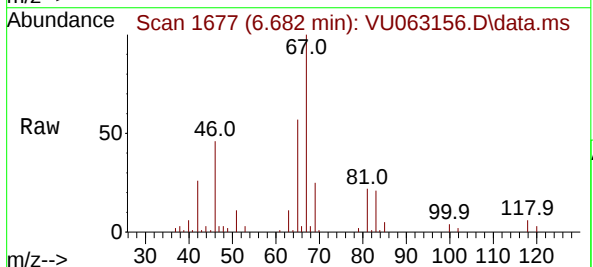
Instrument :
MSVOA_U
ClientSampleId :

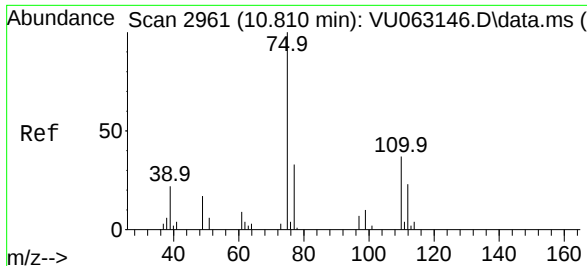
Tgt Ion: 83 Resp: 7542
Ion Ratio Lower Upper
83 100
55 0.0 62.8 94.2#
98 0.0 36.0 54.0#



#37
1,2-Dichloropropane
Concen: 0.485 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.096 min
Lab File: VU063156.D
Acq: 05 Feb 2025 13:47

Tgt Ion: 63 Resp: 3482
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#

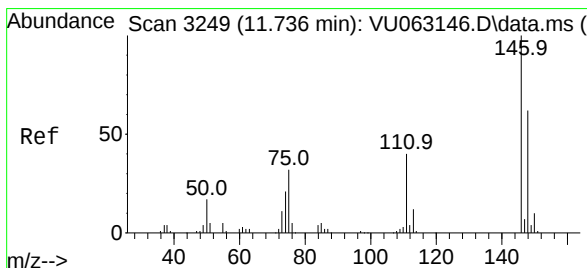
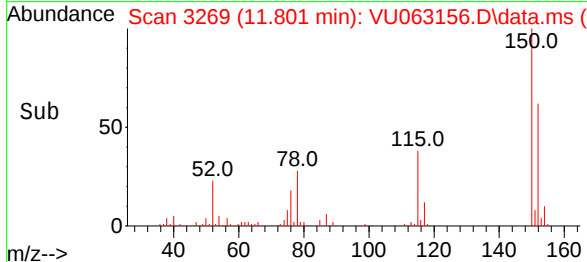
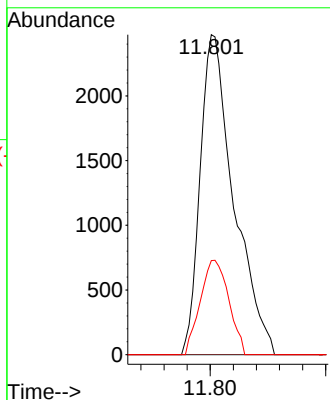
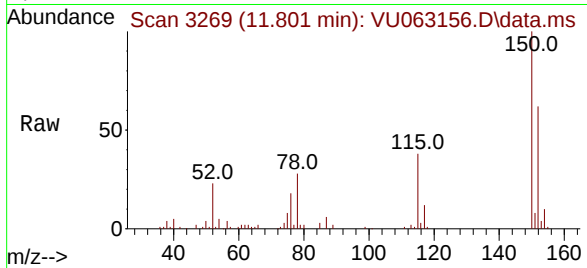




#61
1,2,3-Trichloropropane
Concen: 1.274 ug/L
RT: 11.801 min Scan# 31
Delta R.T. 0.991 min
Lab File: VU063156.D
Acq: 05 Feb 2025 13:47

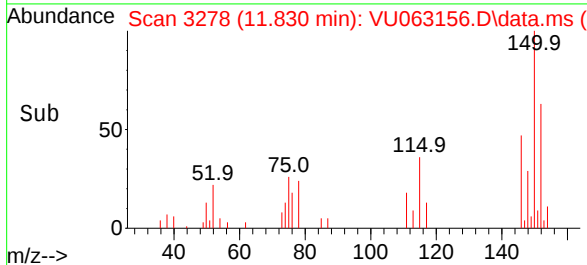
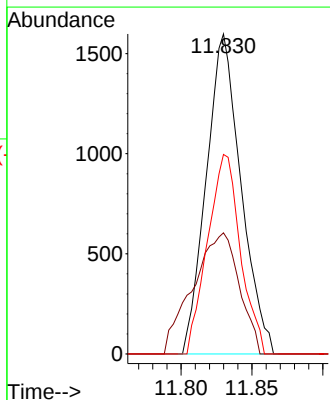
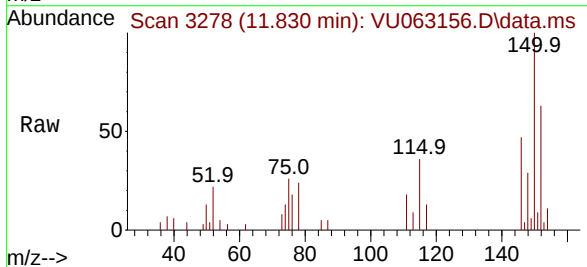
Instrument :
MSVOA_U
ClientSampleId :

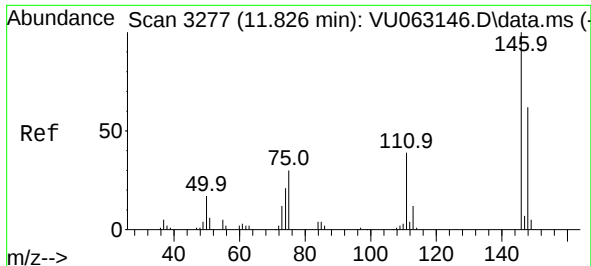
Tgt Ion: 75 Resp: 5005
Ion Ratio Lower Upper
75 100
110 0.0 27.4 41.0#
77 24.9 26.3 39.5#



#64
1,3-Dichlorobenzene
Concen: 0.259 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.093 min
Lab File: VU063156.D
Acq: 05 Feb 2025 13:47

Tgt Ion:146 Resp: 2717
Ion Ratio Lower Upper
146 100
111 37.9 27.9 51.7
148 62.3 44.6 82.8





#65

1,4-Dichlorobenzene

Concen: 0.258 ug/L

RT: 11.830 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VU063156.D

Acq: 05 Feb 2025 13:47

Instrument :

MSVOA_U

ClientSampleId :

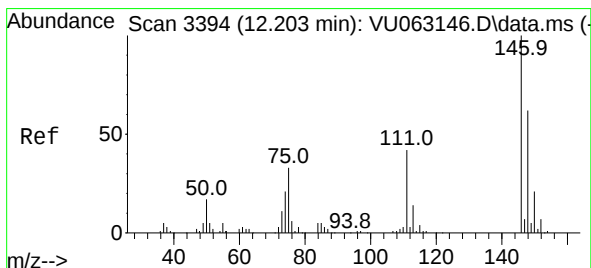
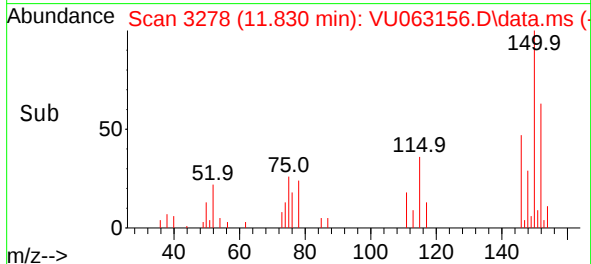
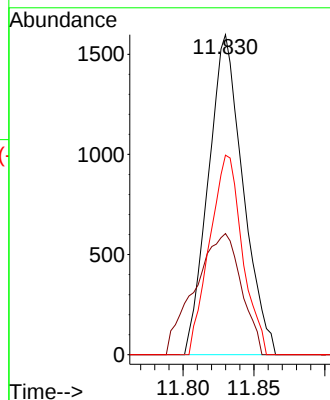
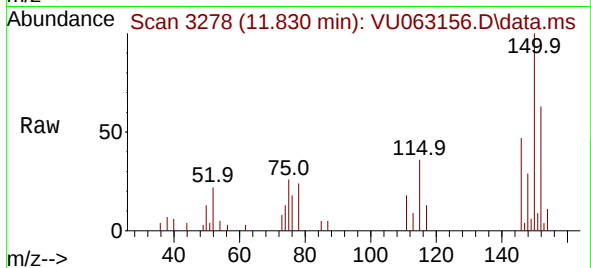
Tgt Ion:146 Resp: 2717

Ion Ratio Lower Upper

146 100

111 37.9 28.5 52.9

148 62.3 45.4 84.2



#67

1,2-Dichlorobenzene

Concen: 0.240 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU063156.D

Acq: 05 Feb 2025 13:47

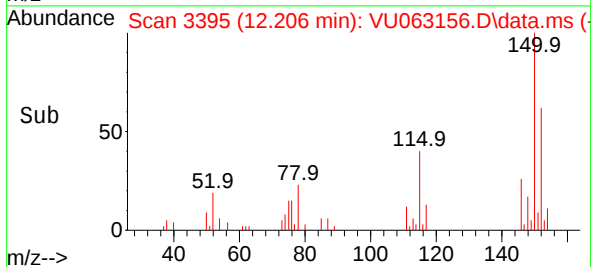
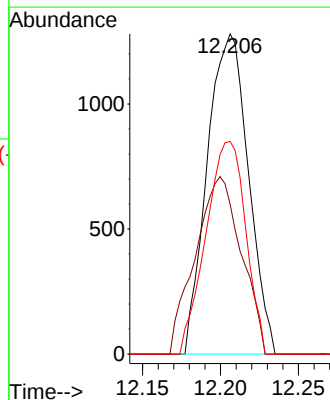
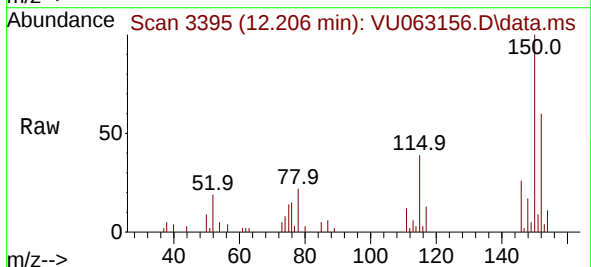
Tgt Ion:146 Resp: 2349

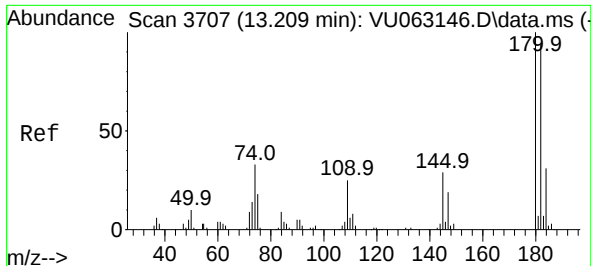
Ion Ratio Lower Upper

146 100

111 46.8 34.1 51.1

148 66.4 52.5 78.7





#69

1,3,5-Trichlorobenzene

Concen: 0.602 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.630 min

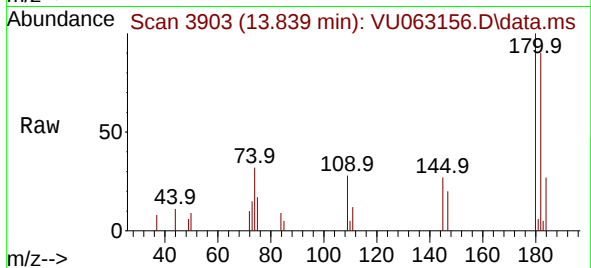
Lab File: VU063156.D

Acq: 05 Feb 2025 13:47

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 4310

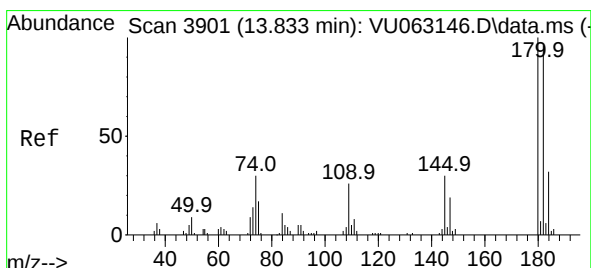
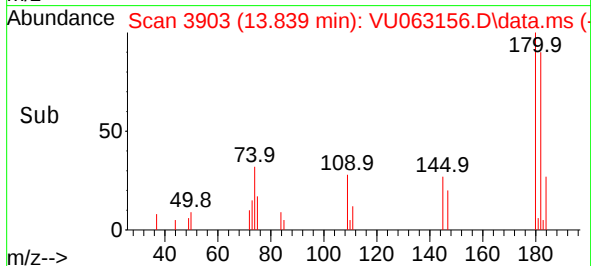
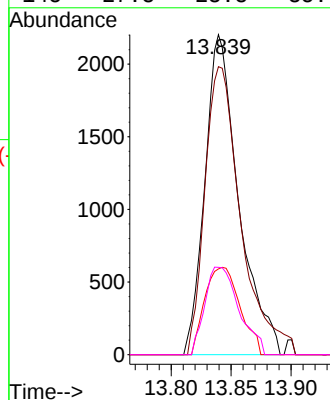
Ion Ratio Lower Upper

180 100

182 95.7 76.7 115.1

184 28.4 23.8 35.8

145 27.8 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 0.765 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.007 min

Lab File: VU063156.D

Acq: 05 Feb 2025 13:47

Tgt Ion:180 Resp: 4310

Ion Ratio Lower Upper

180 100

182 95.7 76.1 114.1

145 27.8 24.3 36.5

