

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090623\
 Data File : VU055171.D
 Acq On : 07 Sep 2023 04:11
 Operator : MD/SY
 Sample : 04307-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4H0

Quant Time: Sep 07 04:50:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

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

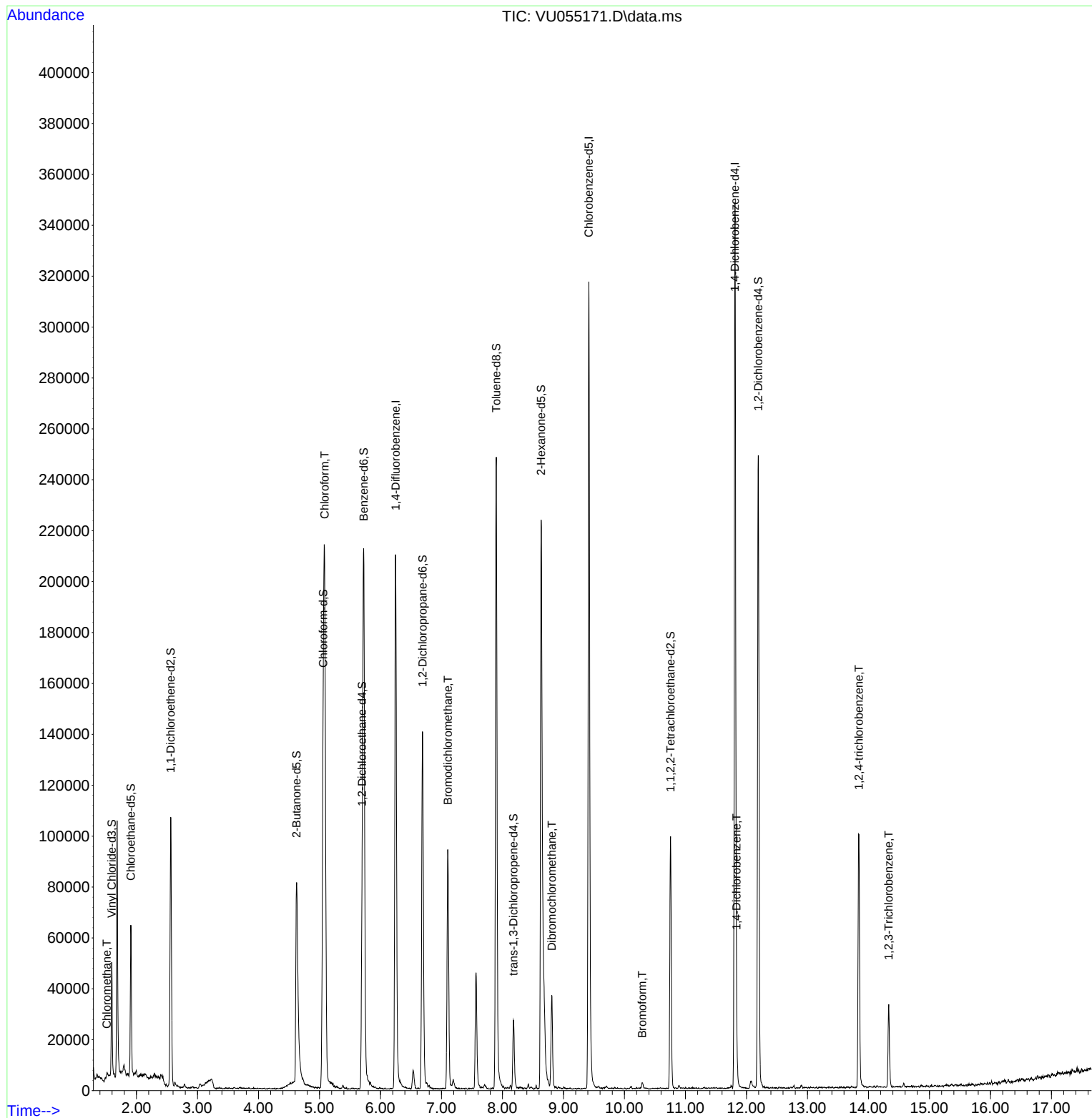
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	170398	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	170278	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	87399	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	32014	4.009	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.200%
7) Chloroethane-d5	1.907	69	39465	4.269	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.400%
11) 1,1-Dichloroethene-d2	2.560	65	20812	4.574	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.400%
20) 2-Butanone-d5	4.624	46	128260	55.343	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.680%
24) Chloroform-d	5.058	84	108578	5.124	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.400%
26) 1,2-Dichloroethane-d4	5.698	65	53896	5.083	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	5.727	84	195807	4.659	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
36) 1,2-Dichloropropane-d6	6.689	67	66823	4.999	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.000%
41) Toluene-d8	7.898	98	168470	4.351	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.000%
43) trans-1,3-Dichloroprop...	8.181	79	14797	4.019	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.400%
46) 2-Hexanone-d5	8.634	63	71644	47.934	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.860%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	48908	5.202	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	62961	4.935	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.800%
Target Compounds						
3) Chloromethane	1.515	50	1610	0.160	ug/L	89
25) Chloroform	5.084	83	159669	8.875	ug/L	96
38) Bromodichloromethane	7.103	83	61375	5.210	ug/L	97
49) Dibromochloromethane	8.808	129	18136	2.500	ug/L	95
59) Bromoform	10.290	173	1220	0.349	ug/L #	89
65) 1,4-Dichlorobenzene	11.836	146	4206	0.216	ug/L #	85
70) 1,2,4-trichlorobenzene	13.843	180	30967	2.234	ug/L	97
72) 1,2,3-Trichlorobenzene	14.331	180	9275	0.771	ug/L	97

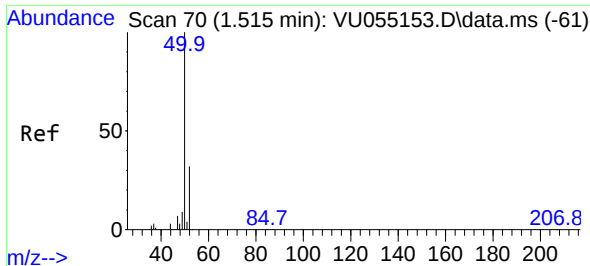
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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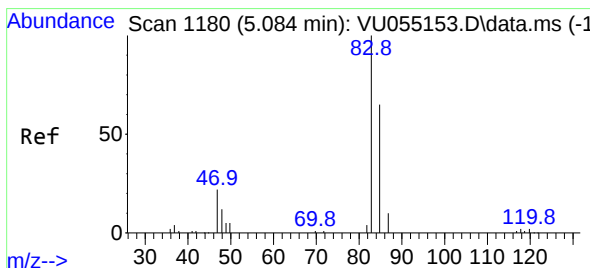
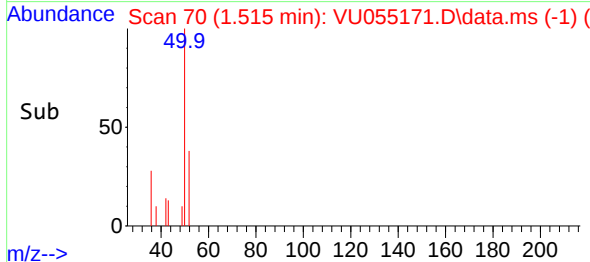
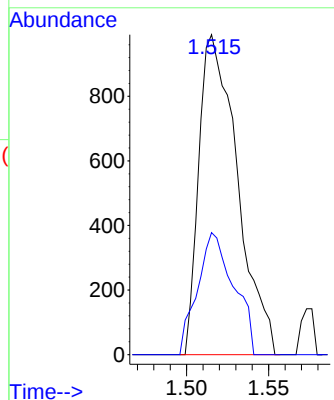
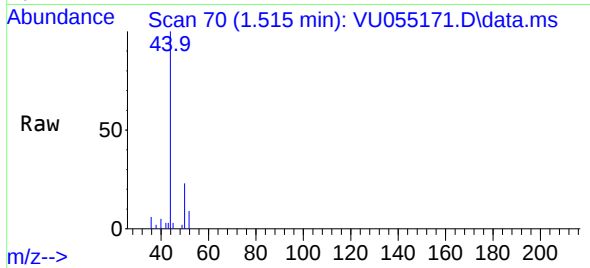




#3
Chloromethane
Concen: 0.160 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055171.D
Acq: 07 Sep 2023 04:11

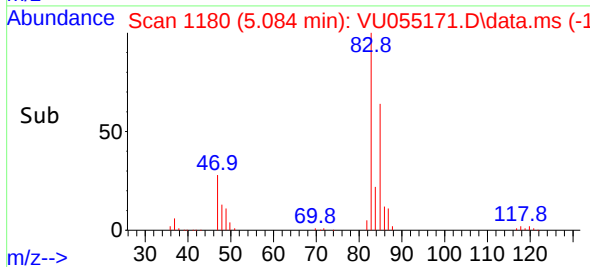
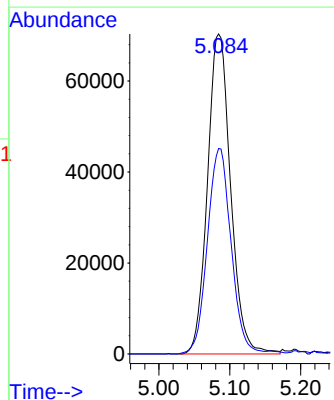
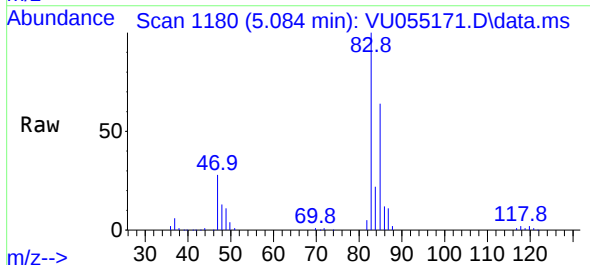
Instrument :
MSVOA_U
ClientSampleId :
BH4H0

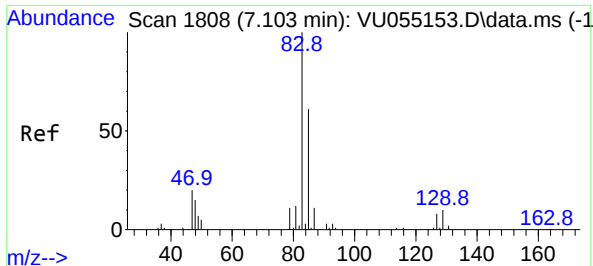
Tgt Ion: 50 Resp: 1610
Ion Ratio Lower Upper
50 100
52 38.1 22.5 41.7



#25
Chloroform
Concen: 8.875 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. -0.003 min
Lab File: VU055171.D
Acq: 07 Sep 2023 04:11

Tgt Ion: 83 Resp: 159669
Ion Ratio Lower Upper
83 100
85 64.2 47.2 87.6

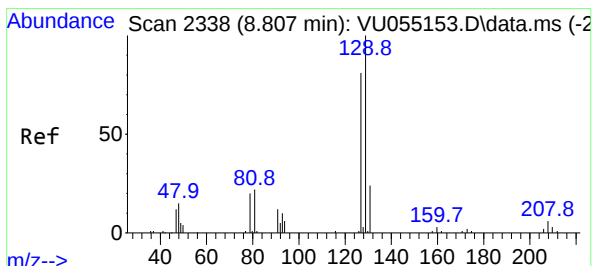
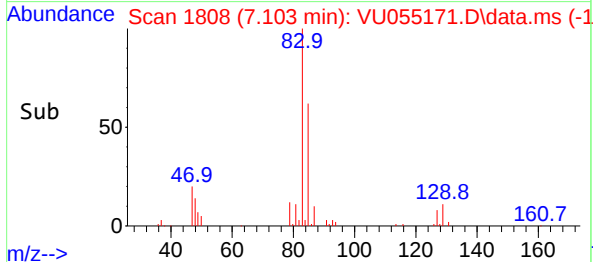
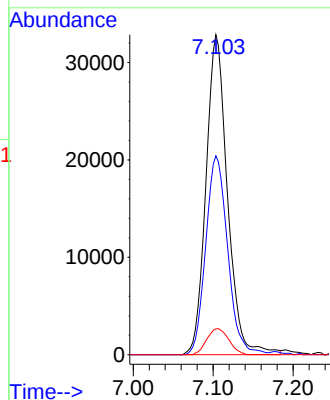
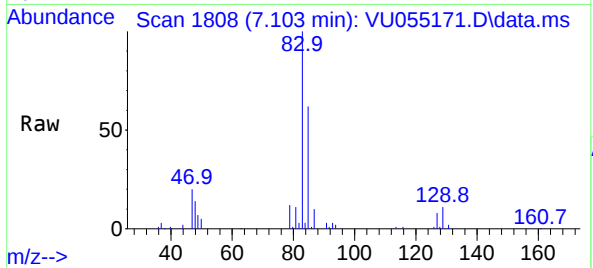




#38
Bromodichloromethane
Concen: 5.210 ug/L
RT: 7.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055171.D
Acq: 07 Sep 2023 04:11

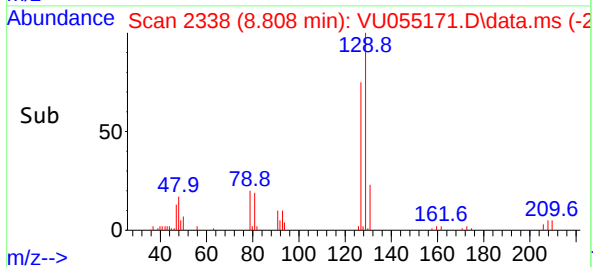
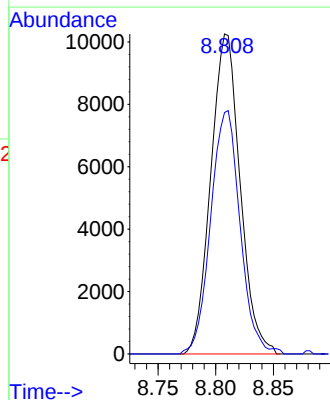
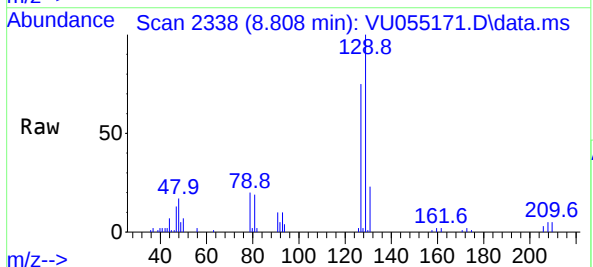
Instrument :
MSVOA_U
ClientSampleId :
BH4H0

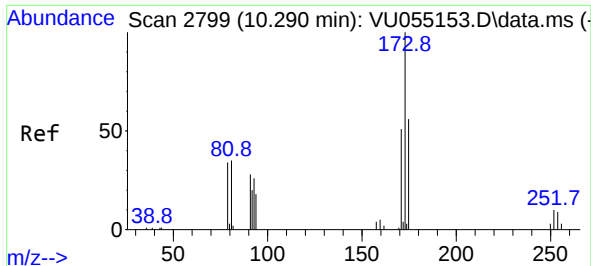
Tgt Ion: 83 Resp: 61375
Ion Ratio Lower Upper
83 100
85 62.1 44.9 83.5
127 8.1 7.8 11.8



#49
Dibromochloromethane
Concen: 2.500 ug/L
RT: 8.808 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055171.D
Acq: 07 Sep 2023 04:11

Tgt Ion: 129 Resp: 18136
Ion Ratio Lower Upper
129 100
127 75.5 55.9 103.7

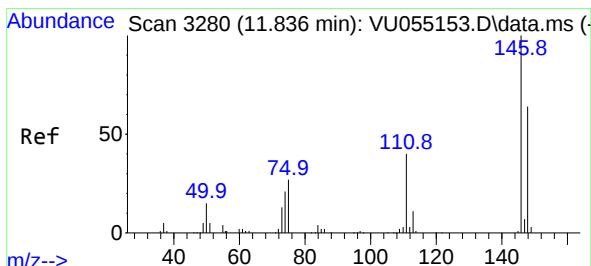
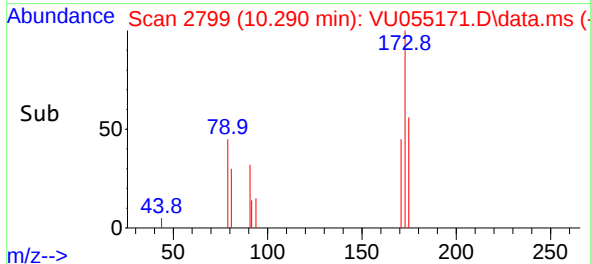
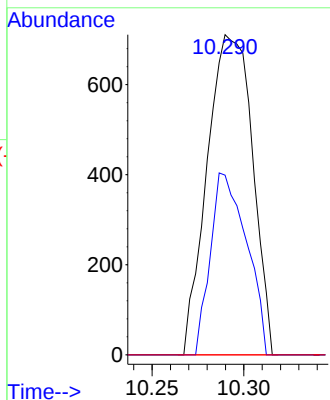
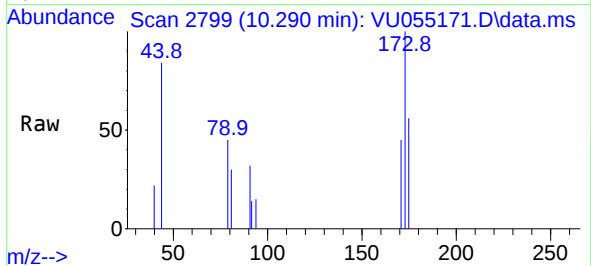




#59
Bromoform
Concen: 0.349 ug/L
RT: 10.290 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055171.D
Acq: 07 Sep 2023 04:11

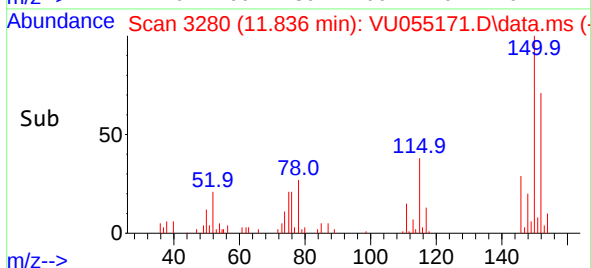
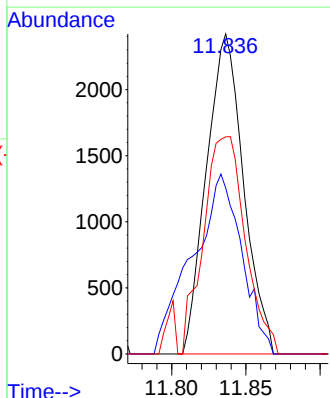
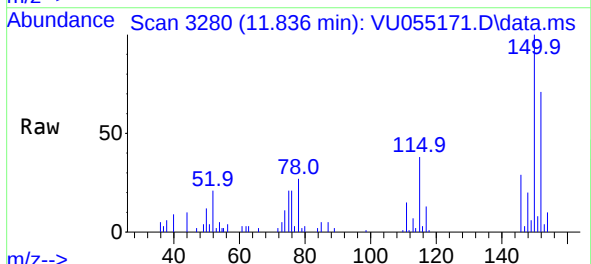
Instrument :
MSVOA_U
ClientSampleId :
BH4H0

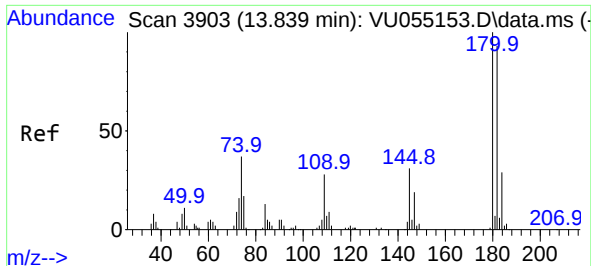
Tgt Ion:173 Resp: 1220
Ion Ratio Lower Upper
173 100
175 45.2 40.9 61.3
254 0.0 7.0 10.4#



#65
1,4-Dichlorobenzene
Concen: 0.216 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.000 min
Lab File: VU055171.D
Acq: 07 Sep 2023 04:11

Tgt Ion:146 Resp: 4206
Ion Ratio Lower Upper
146 100
111 57.0 28.1 52.1#
148 67.9 43.8 81.3

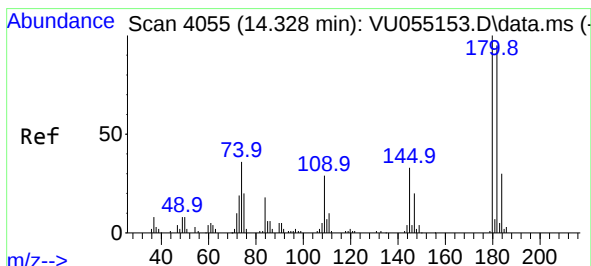
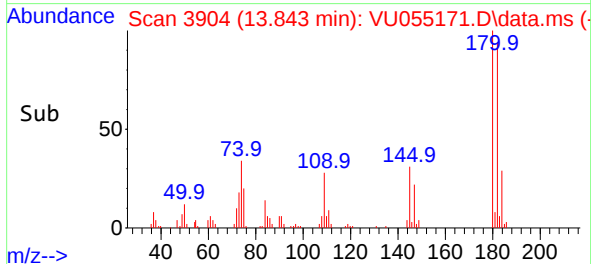
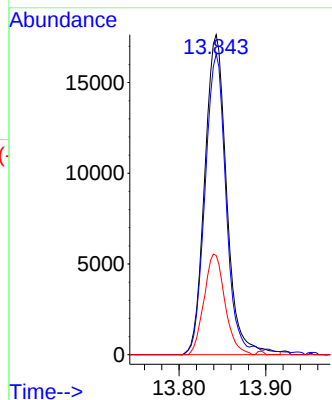
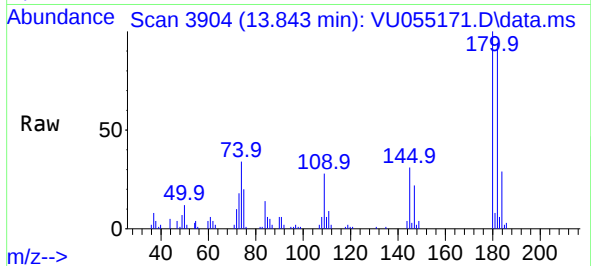




#70
1,2,4-trichlorobenzene
Concen: 2.234 ug/L
RT: 13.843 min Scan# 3904
Delta R.T. 0.003 min
Lab File: VU055171.D
Acq: 07 Sep 2023 04:11

Instrument :
MSVOA_U
ClientSampleId :
BH4H0

Tgt Ion:180 Resp: 30967
Ion Ratio Lower Upper
180 100
182 89.2 73.6 110.4
145 30.1 25.8 38.8



#72
1,2,3-Trichlorobenzene
Concen: 0.771 ug/L
RT: 14.331 min Scan# 4056
Delta R.T. 0.000 min
Lab File: VU055171.D
Acq: 07 Sep 2023 04:11

Tgt Ion:180 Resp: 9275
Ion Ratio Lower Upper
180 100
182 98.1 75.6 113.4
145 32.9 27.0 40.6

