

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021023\
 Data File : VU053049.D
 Acq On : 10 Feb 2023 19:38
 Operator : JC/MD
 Sample : 01422-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B78

Quant Time: Feb 10 23:35:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 10 23:20:41 2023
 Response via : Initial Calibration

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

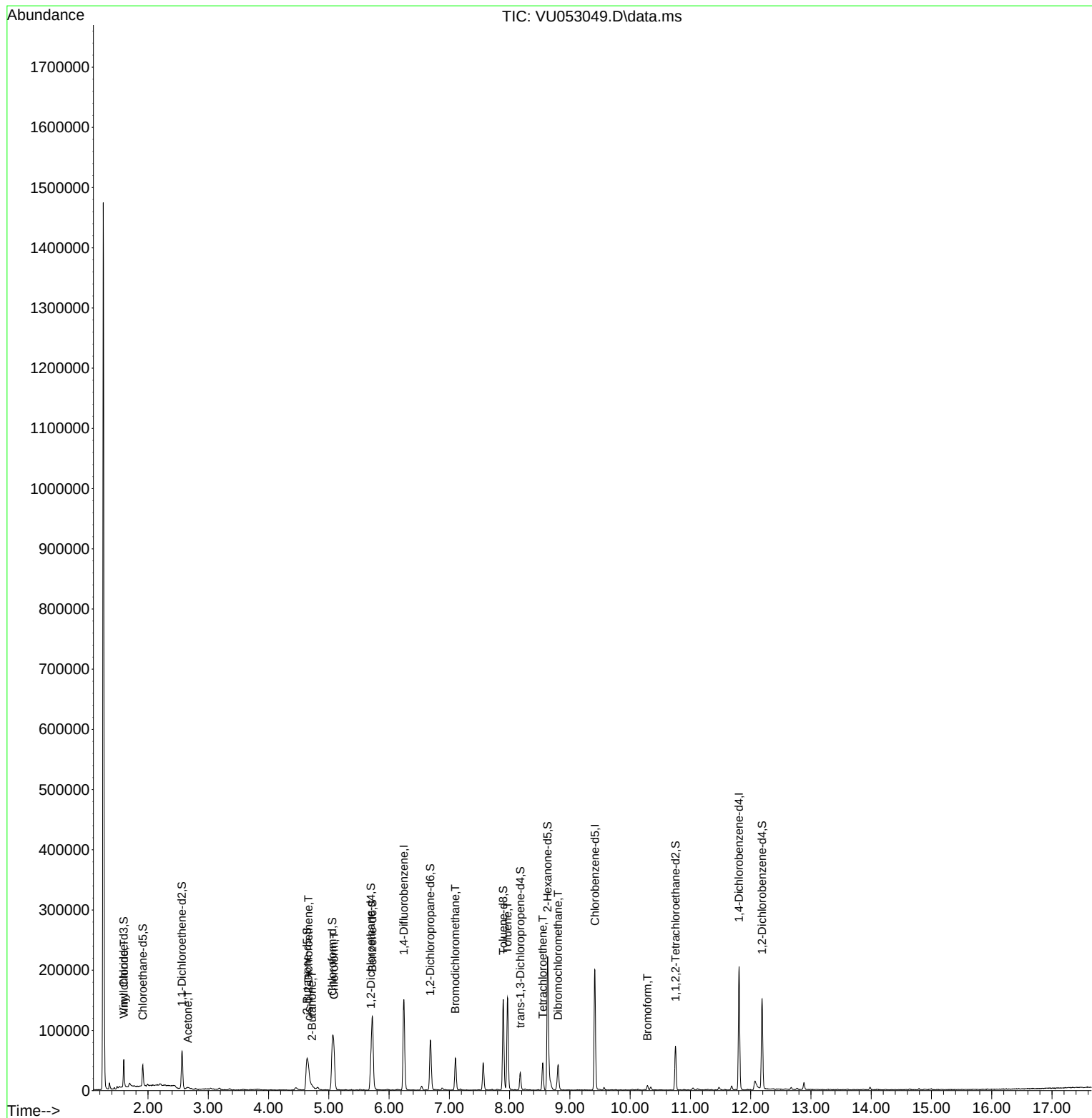
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	123094	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	109659	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	51012	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	25768	4.370	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.400%
7) Chloroethane-d5	1.914	69	26284	4.742	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.800%
11) 1,1-Dichloroethene-d2	2.563	65	11293	4.175	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.600%
20) 2-Butanone-d5	4.637	46	99200	54.927	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.860%
24) Chloroform-d	5.058	84	64703	4.768	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.698	65	32403	4.739	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	5.724	84	118111	4.793	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.685	67	40832	4.758	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.200%
41) Toluene-d8	7.894	98	101006	4.537	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
43) trans-1,3-Dichloroprop...	8.177	79	16251	4.677	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.600%
46) 2-Hexanone-d5	8.630	63	81107	52.579	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.160%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	36446	4.945	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	38150	5.006	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	1449	0.140	ug/L #	61
13) Acetone	2.660	43	7303	5.633	ug/L #	71
21) 2-Butanone	4.721	43	6716	3.507	ug/L	89
22) cis-1,2-Dichloroethene	4.663	96	5512	0.634	ug/L	97
25) Chloroform	5.084	83	54977	3.624	ug/L	93
38) Bromodichloromethane	7.100	83	34784	3.118	ug/L	100
42) Toluene	7.965	91	114427	3.334	ug/L	98
47) Tetrachloroethene	8.550	164	8772	1.518	ug/L	96
49) Dibromochloromethane	8.804	129	20789	3.076	ug/L	99
59) Bromoform	10.286	173	3092	0.834	ug/L	98

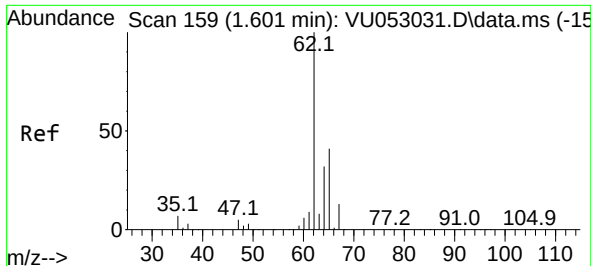
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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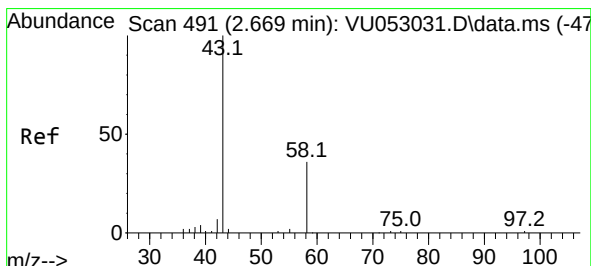
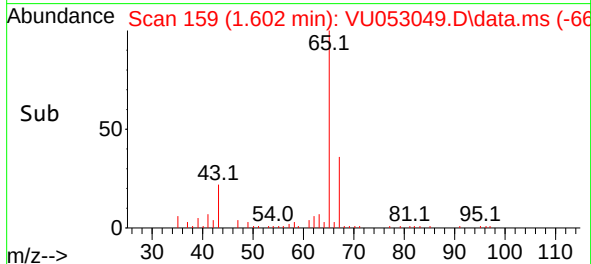
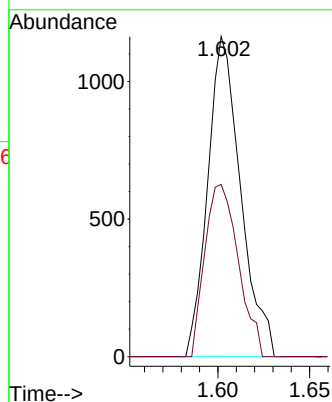
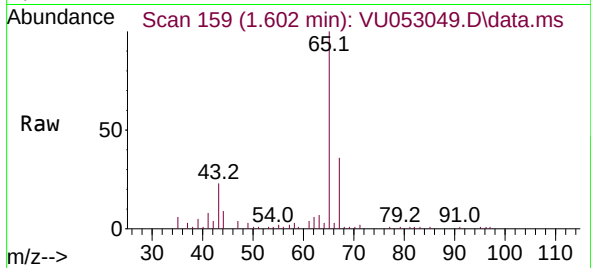




#5
 Vinyl chloride
 Concen: 0.140 ug/L
 RT: 1.602 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU053049.D
 Acq: 10 Feb 2023 19:38

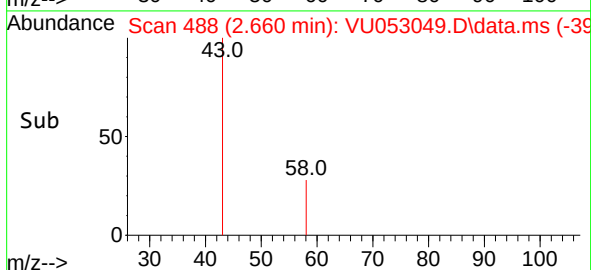
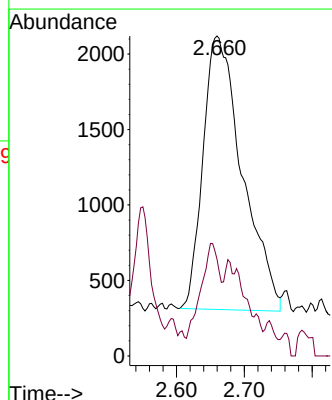
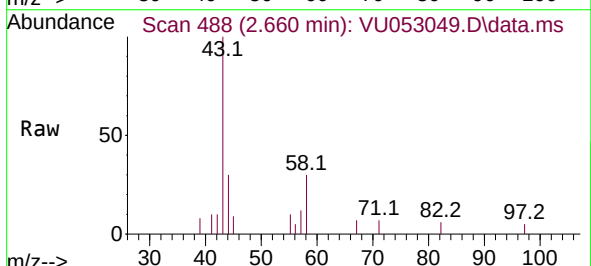
Instrument :
 MSVOA_U
 ClientSampleId :
 C0B78

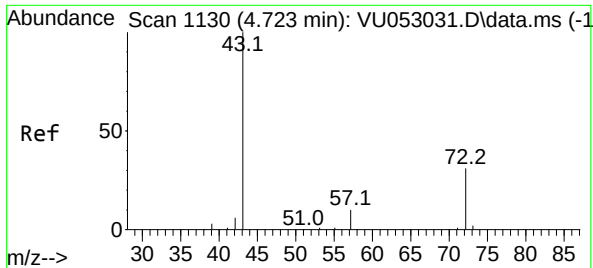
Tgt Ion: 62 Resp: 1449
 Ion Ratio Lower Upper
 62 100
 64 53.8 22.5 41.9#



#13
 Acetone
 Concen: 5.633 ug/L
 RT: 2.660 min Scan# 488
 Delta R.T. -0.009 min
 Lab File: VU053049.D
 Acq: 10 Feb 2023 19:38

Tgt Ion: 43 Resp: 7303
 Ion Ratio Lower Upper
 43 100
 58 20.6 0.0 19.6#

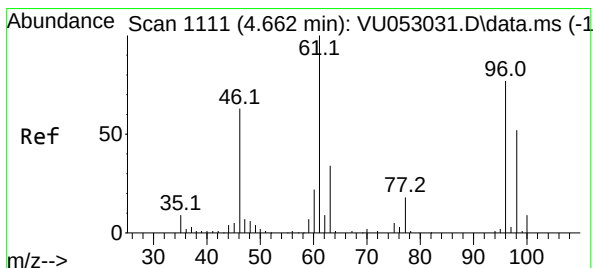
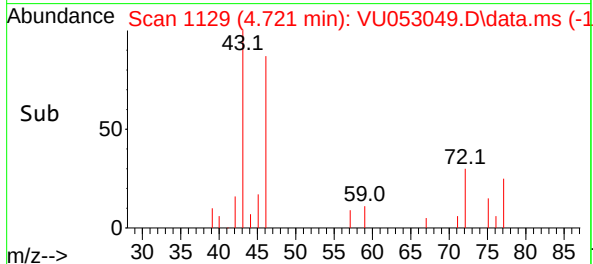
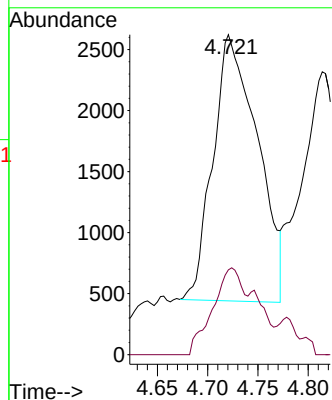
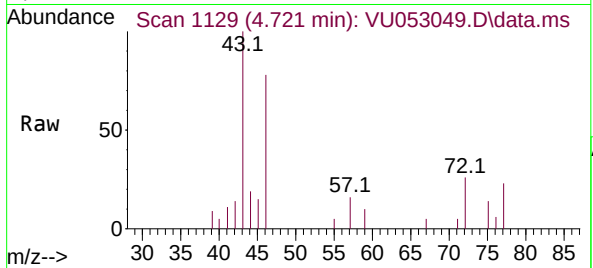




#21
2-Butanone
Concen: 3.507 ug/L
RT: 4.721 min Scan# 1129
Delta R.T. -0.003 min
Lab File: VU053049.D
Acq: 10 Feb 2023 19:38

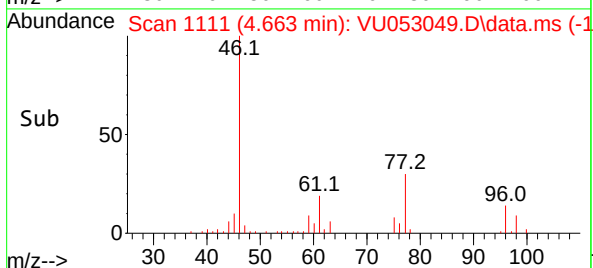
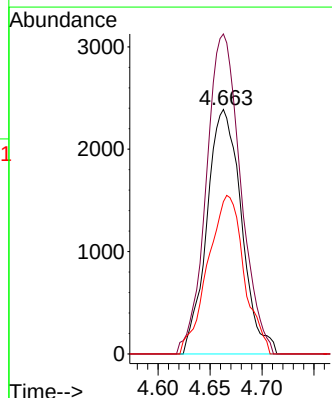
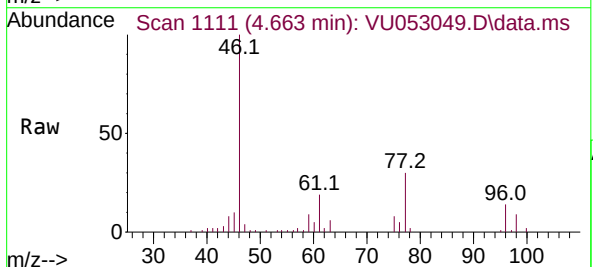
Instrument :
MSVOA_U
ClientSampleId :
C0B78

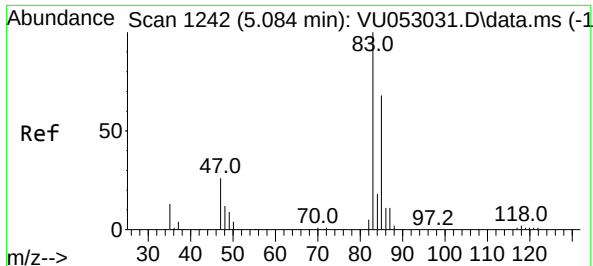
Tgt Ion: 43 Resp: 6716
Ion Ratio Lower Upper
43 100
72 23.0 14.5 43.5



#22
cis-1,2-Dichloroethene
Concen: 0.634 ug/L
RT: 4.663 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VU053049.D
Acq: 10 Feb 2023 19:38

Tgt Ion: 96 Resp: 5512
Ion Ratio Lower Upper
96 100
61 130.8 90.9 168.9
98 62.3 47.0 87.4





#25

Chloroform

Concen: 3.624 ug/L

RT: 5.084 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053049.D

Acq: 10 Feb 2023 19:38

Instrument :

MSVOA_U

ClientSampleId :

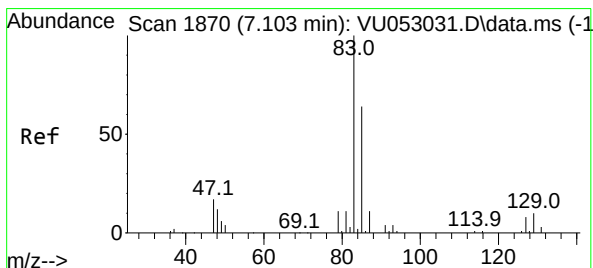
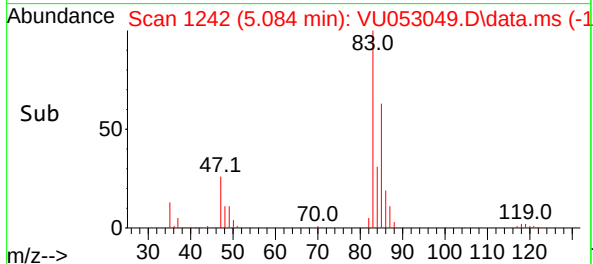
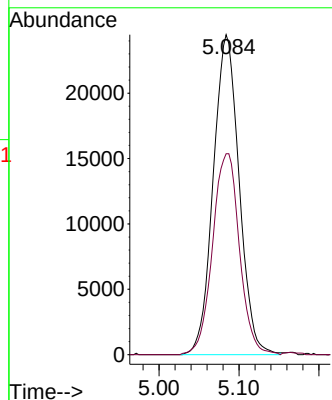
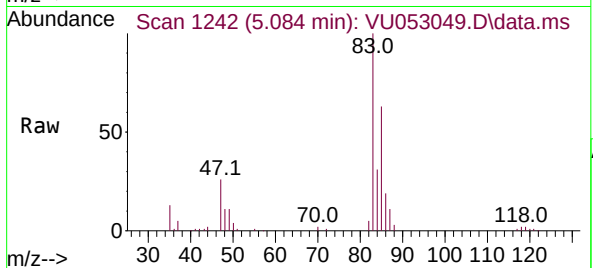
C0B78

Tgt Ion: 83 Resp: 54977

Ion Ratio Lower Upper

83 100

85 62.8 47.7 88.5



#38

Bromodichloromethane

Concen: 3.118 ug/L

RT: 7.100 min Scan# 1869

Delta R.T. -0.003 min

Lab File: VU053049.D

Acq: 10 Feb 2023 19:38

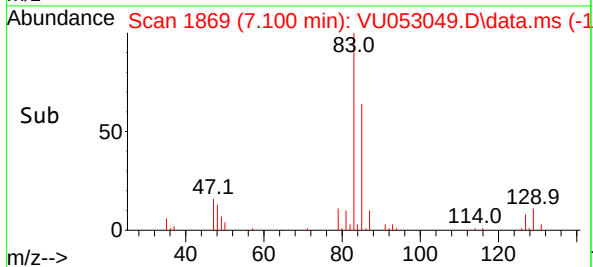
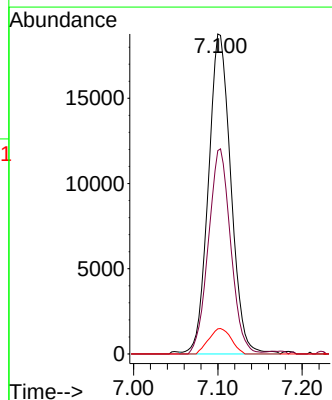
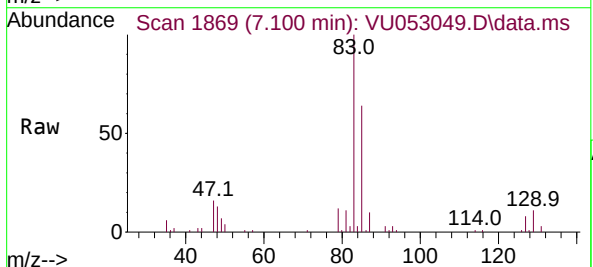
Tgt Ion: 83 Resp: 34784

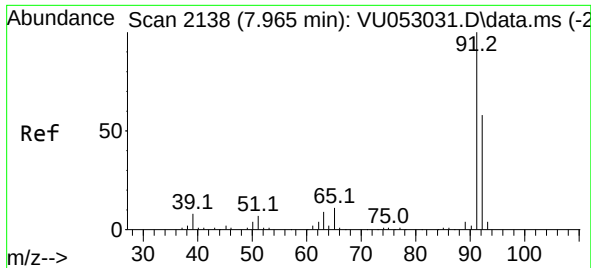
Ion Ratio Lower Upper

83 100

85 63.5 44.7 82.9

127 7.9 6.3 9.5





#42

Toluene

Concen: 3.334 ug/L

RT: 7.965 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU053049.D

Acq: 10 Feb 2023 19:38

Instrument :

MSVOA_U

ClientSampleId :

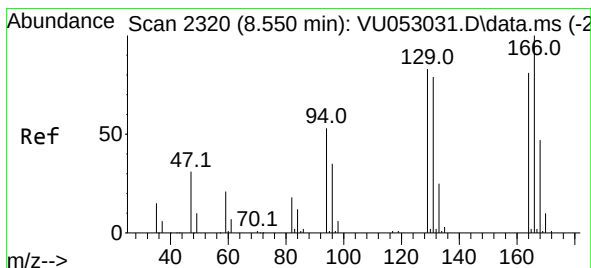
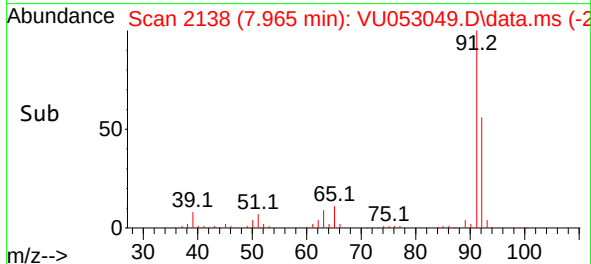
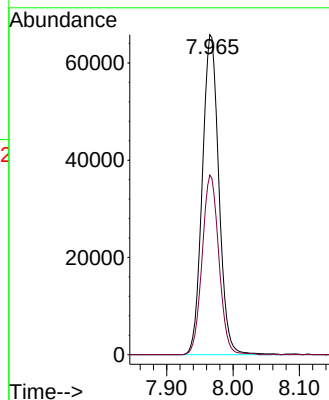
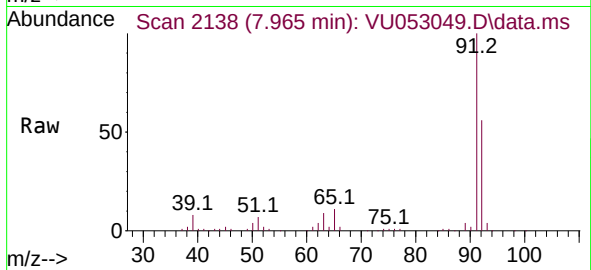
C0B78

Tgt Ion: 91 Resp: 114427

Ion Ratio Lower Upper

91 100

92 56.1 40.5 75.3



#47

Tetrachloroethene

Concen: 1.518 ug/L

RT: 8.550 min Scan# 2320

Delta R.T. 0.000 min

Lab File: VU053049.D

Acq: 10 Feb 2023 19:38

Tgt Ion: 164 Resp: 8772

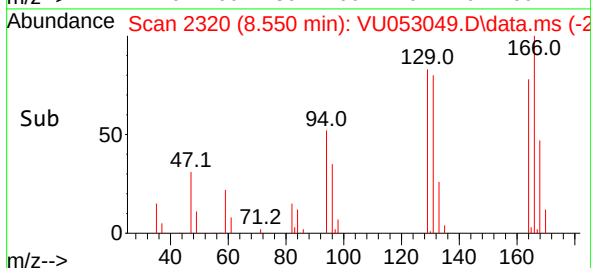
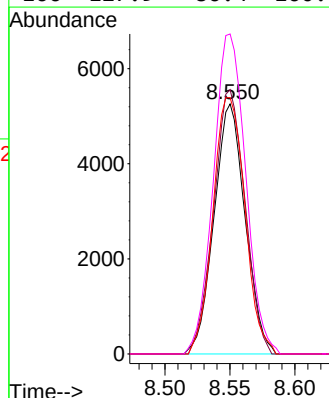
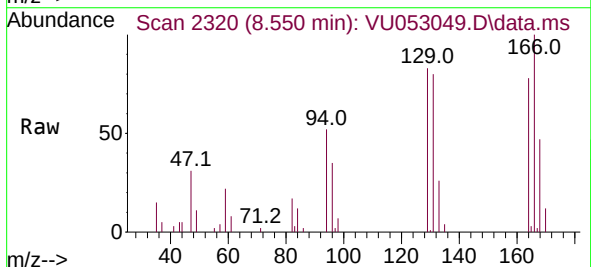
Ion Ratio Lower Upper

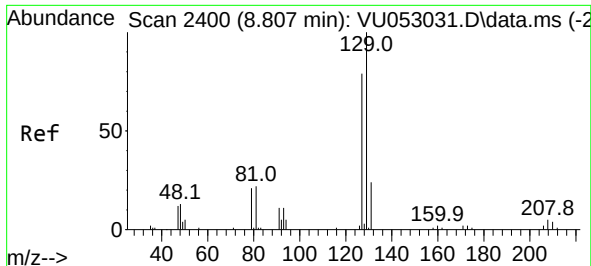
164 100

129 105.7 71.7 133.1

131 102.5 67.8 126.0

166 127.9 86.4 160.4





#49

Dibromochloromethane

Concen: 3.076 ug/L

RT: 8.804 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU053049.D

Acq: 10 Feb 2023 19:38

Instrument :

MSVOA_U

ClientSampleId :

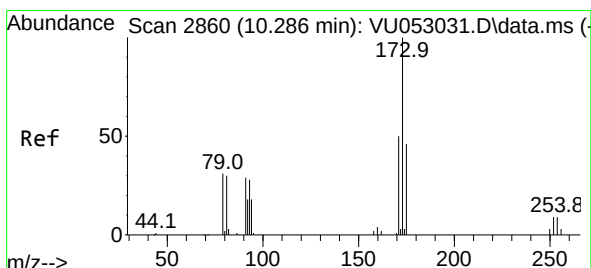
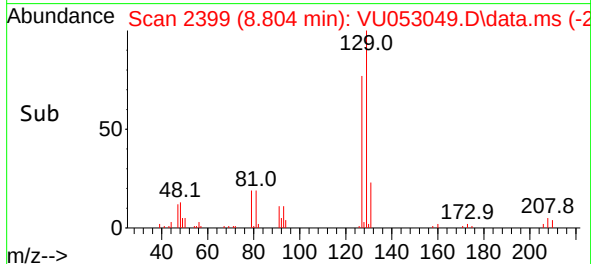
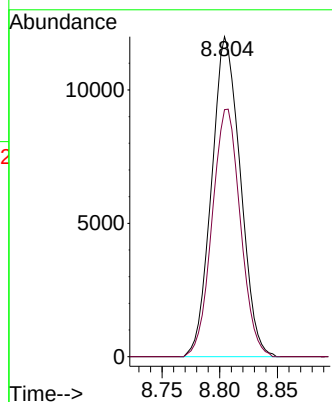
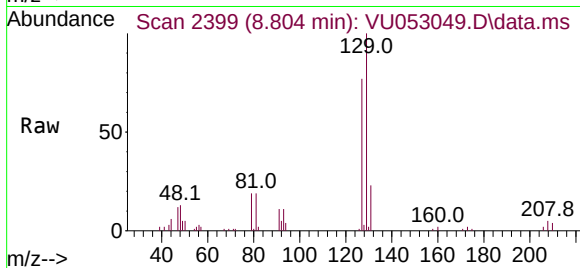
C0B78

Tgt Ion:129 Resp: 20789

Ion Ratio Lower Upper

129 100

127 77.2 54.9 102.1



#59

Bromoform

Concen: 0.834 ug/L

RT: 10.286 min Scan# 2860

Delta R.T. 0.000 min

Lab File: VU053049.D

Acq: 10 Feb 2023 19:38

Tgt Ion:173 Resp: 3092

Ion Ratio Lower Upper

173 100

175 47.0 38.9 58.3

254 7.6 7.0 10.4

