

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056856.D
 Acq On : 14 Dec 2023 23:49
 Operator : MD/SY
 Sample : 05731-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EOY55

Quant Time: Dec 15 05:10:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 01:53:53 2023
 Response via : Initial Calibration

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

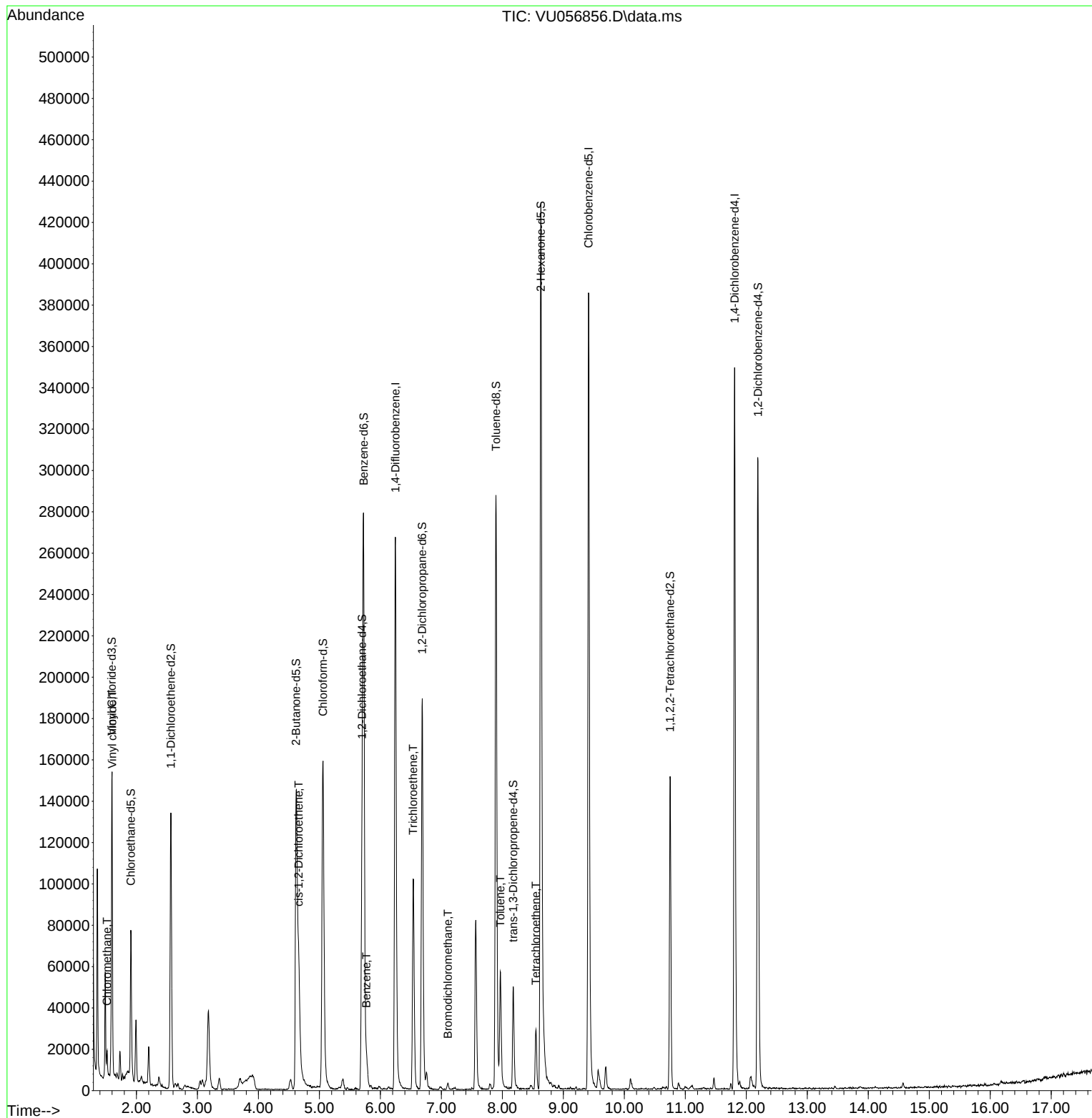
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	221376	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	225836	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	94612	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	57938	3.053	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.000%
7) Chloroethane-d5	1.907	69	54049	3.806	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.200%
11) 1,1-Dichloroethene-d2	2.563	65	25399	3.128	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.600%
20) 2-Butanone-d5	4.618	46	205266	54.775	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.560%
24) Chloroform-d	5.058	84	152440	4.242	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.800%
26) 1,2-Dichloroethane-d4	5.698	65	76597	4.505	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
32) Benzene-d6	5.724	84	264822	3.781	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.600%
36) 1,2-Dichloropropane-d6	6.685	67	92220	4.206	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.200%
41) Toluene-d8	7.894	98	205910	3.289	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.800%#
43) trans-1,3-Dichloroprop...	8.177	79	29972	3.525	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.600%
46) 2-Hexanone-d5	8.631	63	148260	46.233	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.460%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	77934	4.913	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	82323	4.426	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.600%
Target Compounds						Qvalue
3) Chloromethane	1.518	50	6998	0.307	ug/L	96
5) Vinyl chloride	1.602	62	6213	0.274	ug/L #	33
22) cis-1,2-Dichloroethene	4.660	96	18766	0.947	ug/L	95
33) Benzene	5.772	78	12402	0.156	ug/L	100
34) Trichloroethene	6.537	95	37094	1.704	ug/L	100
38) Bromodichloromethane	7.107	83	2514	0.097	ug/L #	81
42) Toluene	7.965	91	43234	0.526	ug/L	93
47) Tetrachloroethene	8.550	164	6877	0.451	ug/L	91

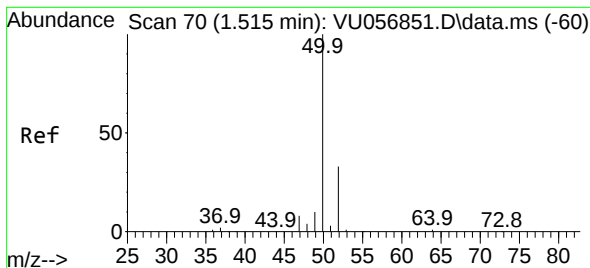
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.307 ug/L

RT: 1.518 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU056856.D

Acq: 14 Dec 2023 23:49

Instrument :

MSVOA_U

ClientSampleId :

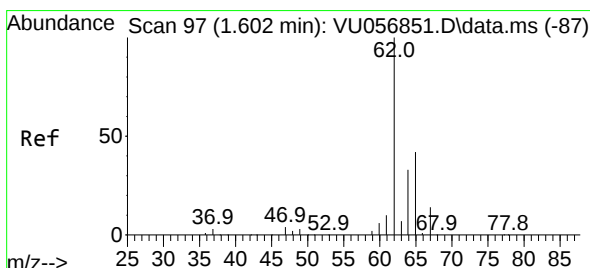
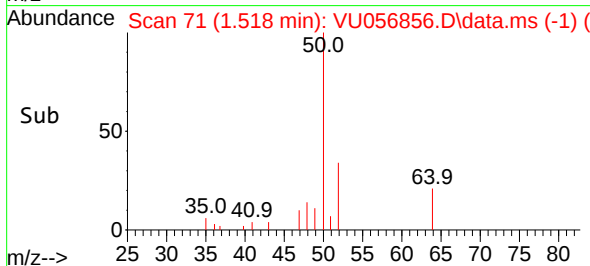
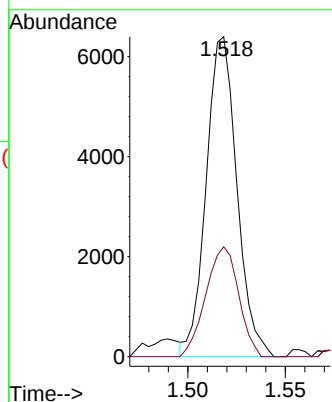
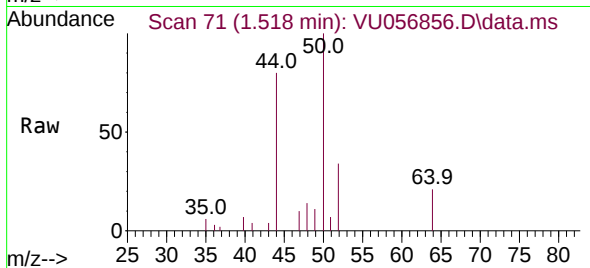
E0Y55

Tgt Ion: 50 Resp: 6998

Ion Ratio Lower Upper

50 100

52 34.3 22.5 41.7



#5

Vinyl chloride

Concen: 0.274 ug/L

RT: 1.602 min Scan# 97

Delta R.T. -0.000 min

Lab File: VU056856.D

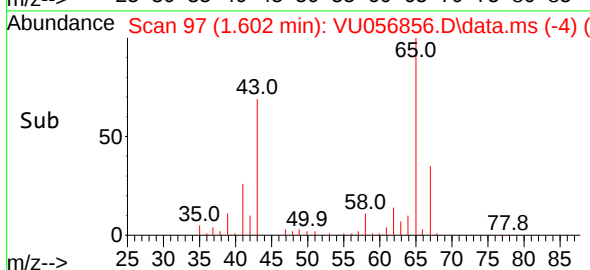
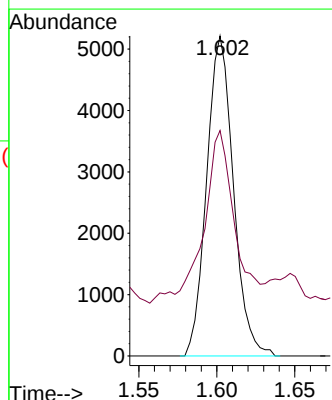
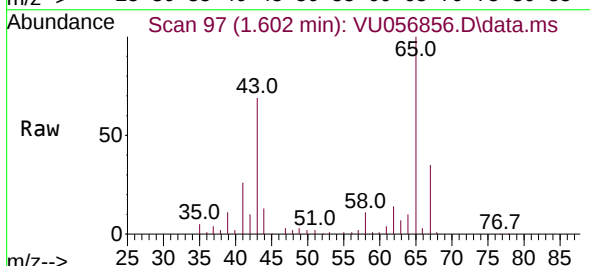
Acq: 14 Dec 2023 23:49

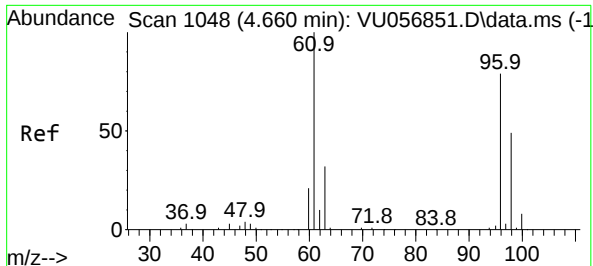
Tgt Ion: 62 Resp: 6213

Ion Ratio Lower Upper

62 100

64 70.5 22.8 42.4#





#22

cis-1,2-Dichloroethene

Concen: 0.947 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.000 min

Lab File: VU056856.D

Acq: 14 Dec 2023 23:49

Instrument :

MSVOA_U

ClientSampleId :

E0Y55

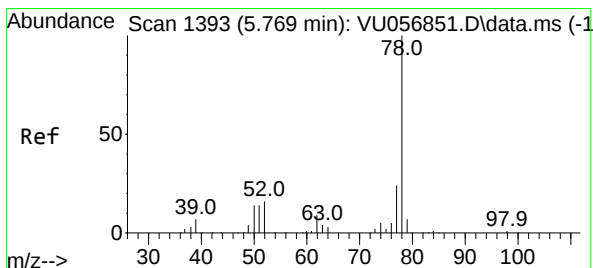
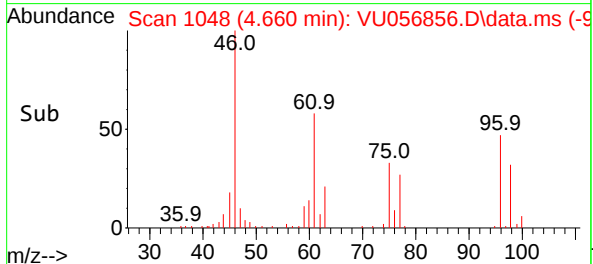
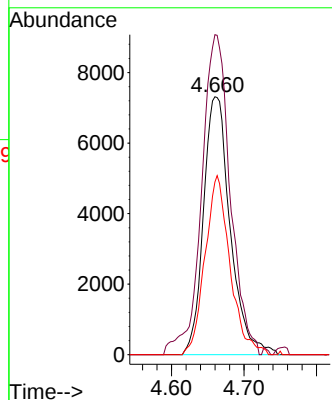
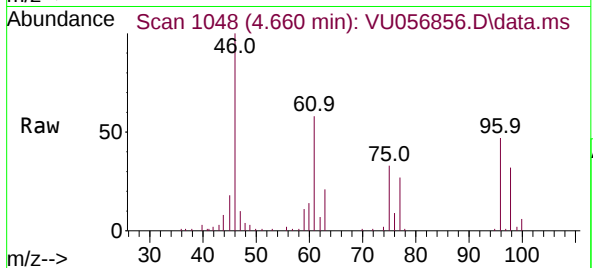
Tgt Ion: 96 Resp: 18766

Ion Ratio Lower Upper

96 100

61 124.0 91.3 169.6

98 66.9 44.2 82.0



#33

Benzene

Concen: 0.156 ug/L

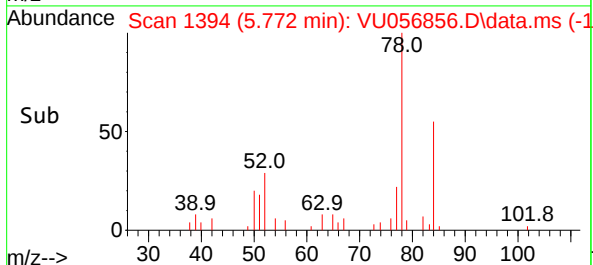
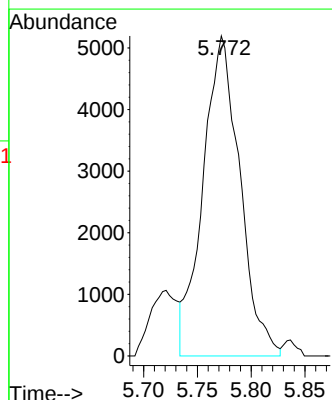
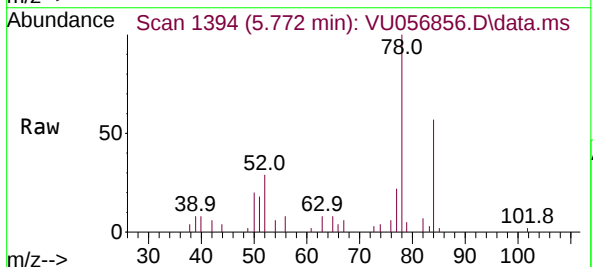
RT: 5.772 min Scan# 1394

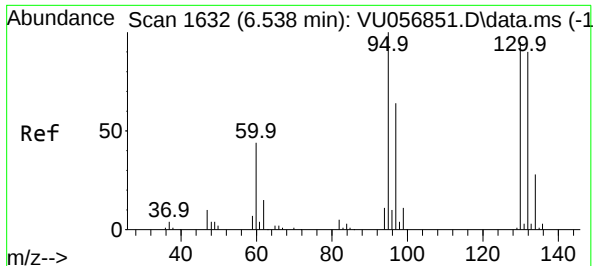
Delta R.T. 0.003 min

Lab File: VU056856.D

Acq: 14 Dec 2023 23:49

Tgt Ion: 78 Resp: 12402



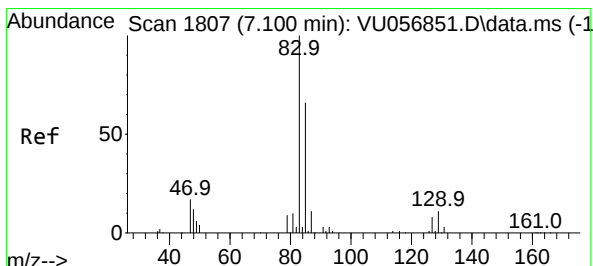
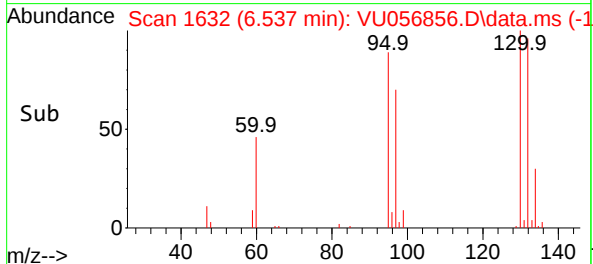
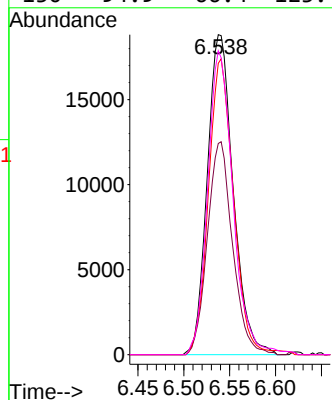
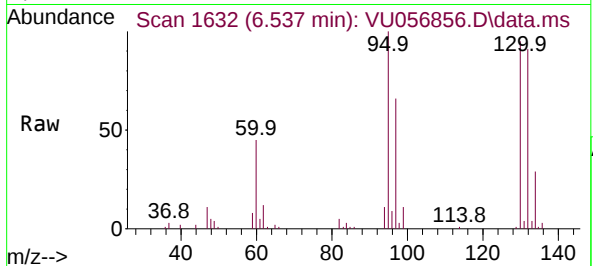


#34
Trichloroethene
Concen: 1.704 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU056856.D
Acq: 14 Dec 2023 23:49

Instrument :
MSVOA_U
ClientSampleId :
E0Y55

Tgt Ion: 95 Resp: 37094

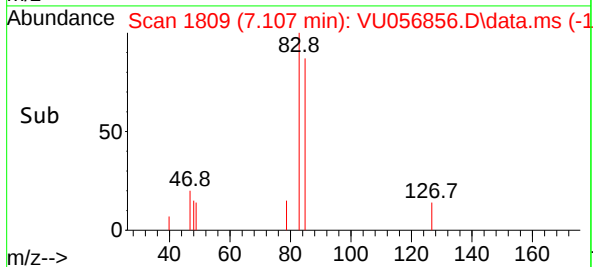
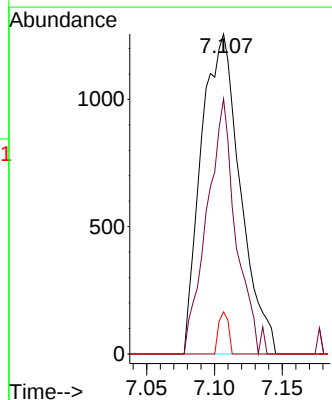
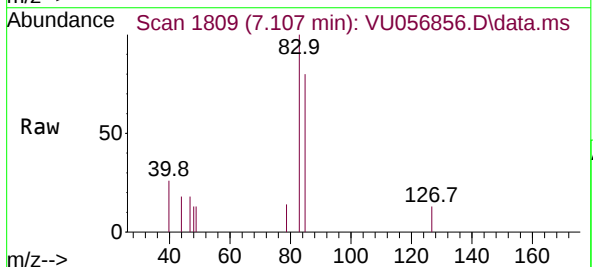
Ion	Ratio	Lower	Upper
95	100		
97	66.0	46.1	85.5
132	91.1	63.6	118.0
130	94.9	66.4	123.4

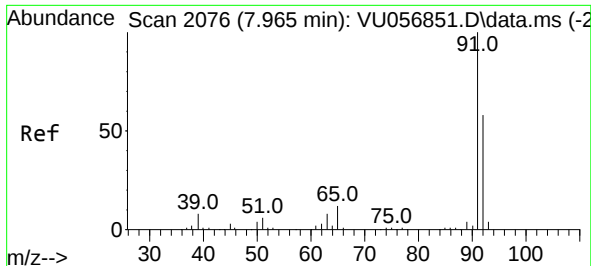


#38
Bromodichloromethane
Concen: 0.097 ug/L
RT: 7.107 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VU056856.D
Acq: 14 Dec 2023 23:49

Tgt Ion: 83 Resp: 2514

Ion	Ratio	Lower	Upper
83	100		
85	79.7	45.0	83.6
127	13.1	7.0	10.4





#42

Toluene

Concen: 0.526 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056856.D

Acq: 14 Dec 2023 23:49

Instrument :

MSVOA_U

ClientSampleId :

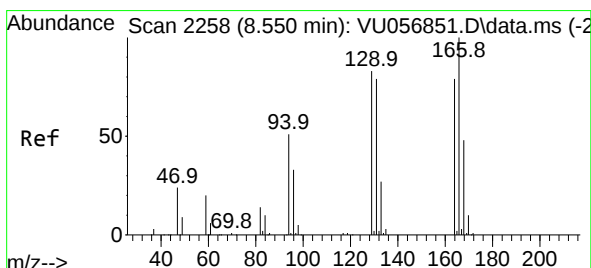
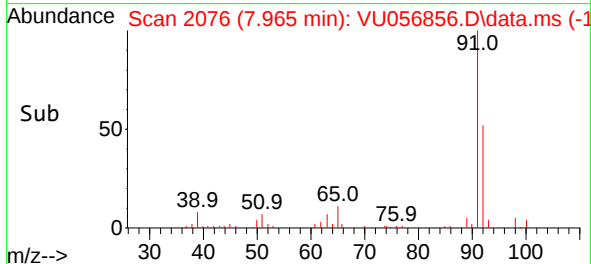
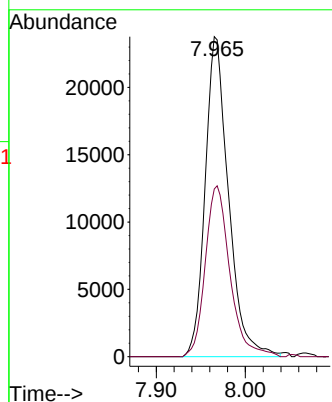
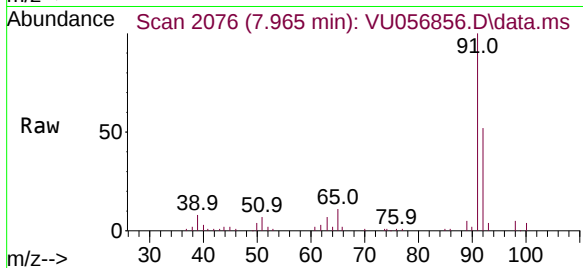
E0Y55

Tgt Ion: 91 Resp: 43234

Ion Ratio Lower Upper

91 100

92 52.4 40.4 75.0



#47

Tetrachloroethene

Concen: 0.451 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU056856.D

Acq: 14 Dec 2023 23:49

Tgt Ion: 164 Resp: 6877

Ion Ratio Lower Upper

164 100

129 99.8 73.4 136.4

131 96.1 71.5 132.9

166 116.5 92.7 172.1

