

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101123\
 Data File : VU055748.D
 Acq On : 11 Oct 2023 15:22
 Operator : MD/SY
 Sample : 04792-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EY1B4

Quant Time: Oct 12 01:56:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 12 01:53:31 2023
 Response via : Initial Calibration

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

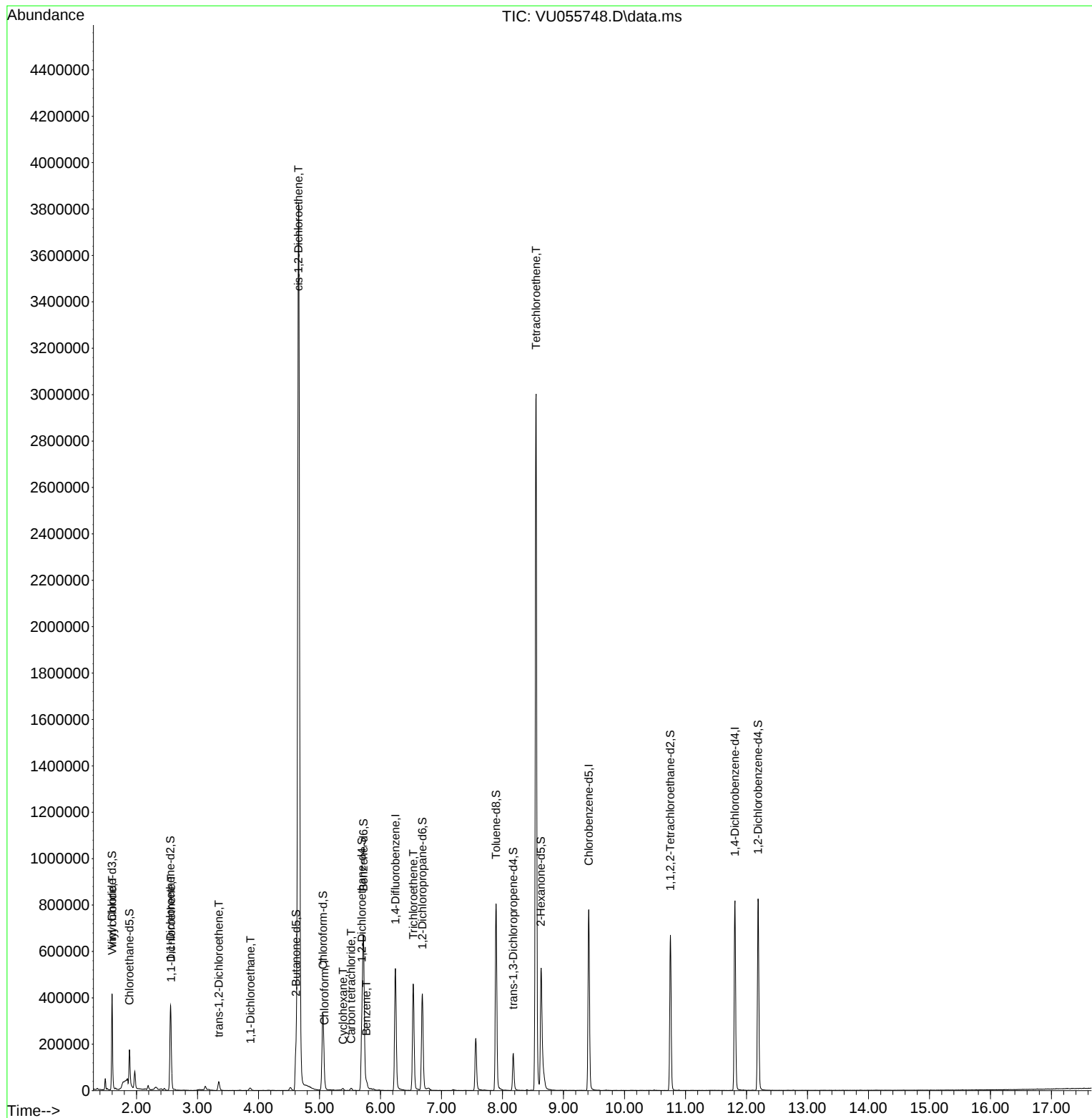
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	422813	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	433401	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	210777	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	150617	39.715	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	79.420%		
7) Chloroethane-d5	1.885	69	127131	41.009	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	82.020%		
11) 1,1-Dichloroethene-d2	2.557	63	219606	32.476	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.960%		
21) 2-Butanone-d5	4.615	46	254872	90.697	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.700%		
24) Chloroform-d	5.055	84	314830	43.302	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.600%		
26) 1,2-Dichloroethane-d4	5.695	65	209068	46.718	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.440%		
32) Benzene-d6	5.721	84	617535	44.533	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.060%		
36) 1,2-Dichloropropane-d6	6.685	67	198313	45.174	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.340%		
41) Toluene-d8	7.894	98	537835	42.953	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.900%		
43) trans-1,3-Dichloroprop...	8.174	79	88964	42.187	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.380%		
47) 2-Hexanone-d5	8.631	63	174937	101.365	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.370%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	332979	49.277	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.560%		
66) 1,2-Dichlorobenzene-d4	12.190	152	207914	49.707	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.420%		
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	9048	2.468	ug/L #	79
12) 1,1-Dichloroethene	2.567	96	8506	2.838	ug/L #	1
17) trans-1,2-Dichloroethene	3.348	96	12405	4.047	ug/L	94
19) 1,1-Dichloroethane	3.869	63	14068	2.238	ug/L	97
20) cis-1,2-Dichloroethene	4.657	96	1972908	563.975	ug/L	99
25) Chloroform	5.081	83	4353	0.663	ug/L	98
29) Cyclohexane	5.386	56	4102	0.826	ug/L #	64
31) Carbon tetrachloride	5.518	117	6633	1.353	ug/L	94
33) Benzene	5.769	78	29448	2.149	ug/L	100
34) Trichloroethene	6.537	95	155298	41.428	ug/L	98
46) Tetrachloroethene	8.550	164	622940	232.104	ug/L	98

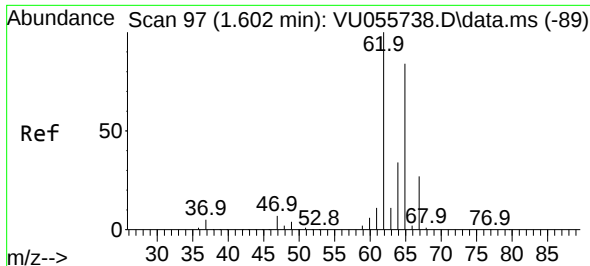
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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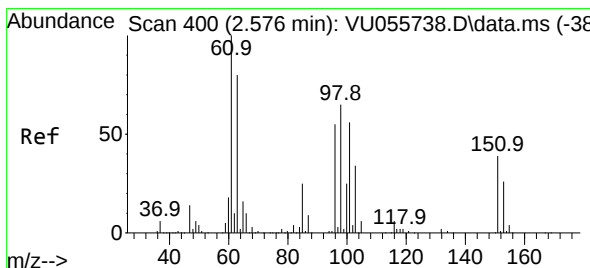
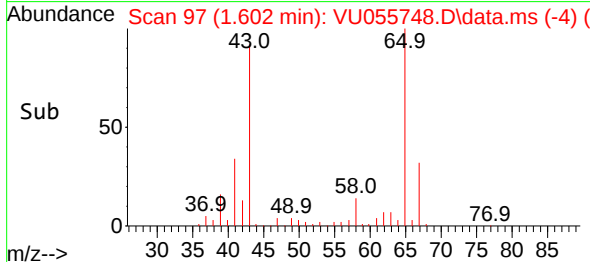
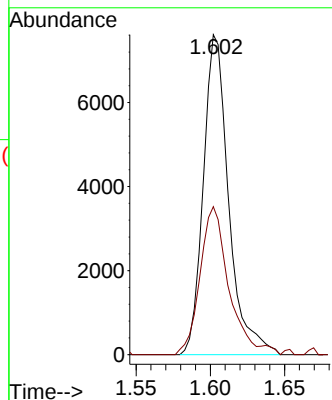
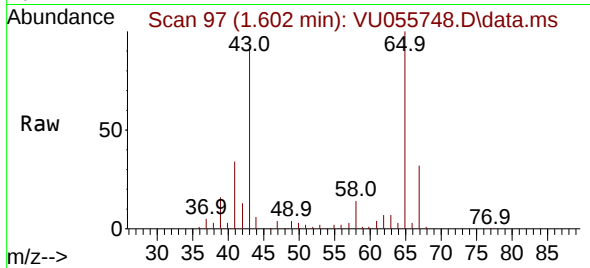




#5
 Vinyl chloride
 Concen: 2.468 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055748.D
 Acq: 11 Oct 2023 15:22

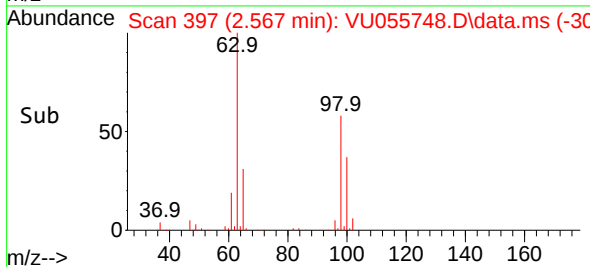
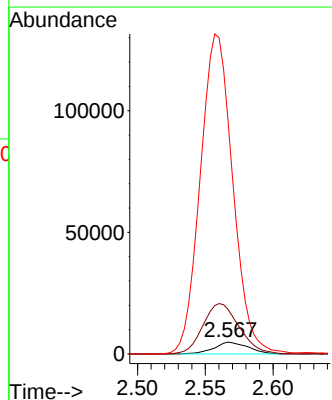
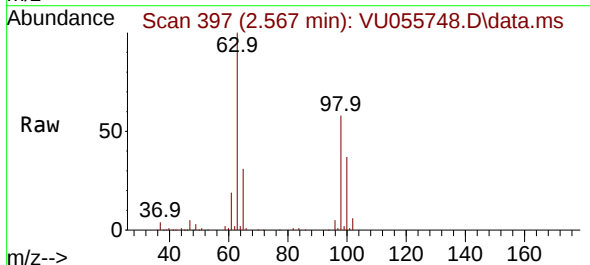
Instrument :
 MSVOA_U
 ClientSampleId :
 EY1B4

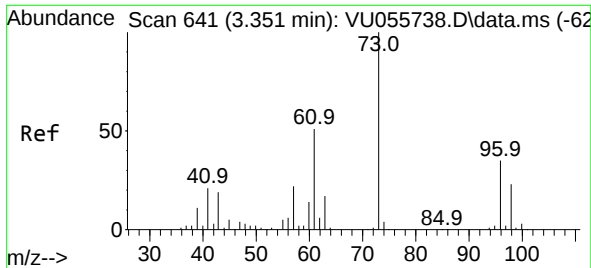
Tgt Ion: 62 Resp: 9048
 Ion Ratio Lower Upper
 62 100
 64 46.3 23.9 44.5#



#12
 1,1-Dichloroethene
 Concen: 2.838 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.010 min
 Lab File: VU055748.D
 Acq: 11 Oct 2023 15:22

Tgt Ion: 96 Resp: 8506
 Ion Ratio Lower Upper
 96 100
 61 380.4 122.0 226.6#
 63 1993.2 93.7 174.1#

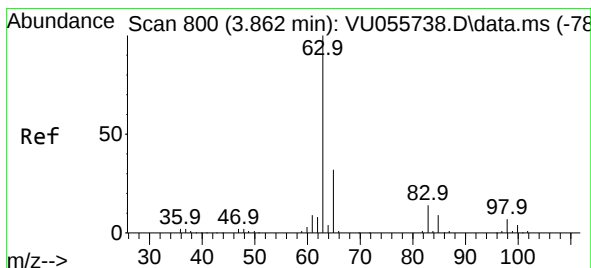
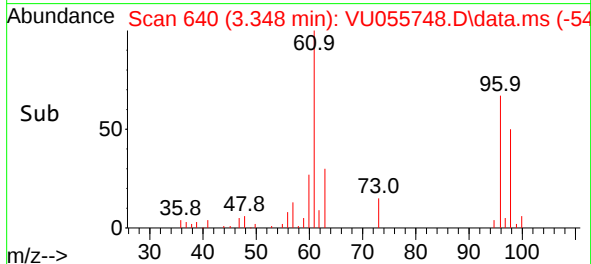
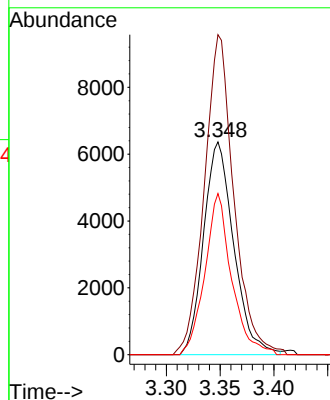
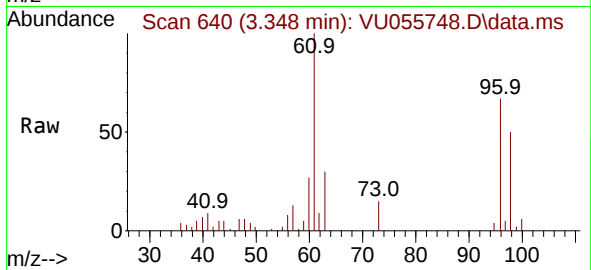




#17
trans-1,2-Dichloroethene
Concen: 4.047 ug/L
RT: 3.348 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055748.D
Acq: 11 Oct 2023 15:22

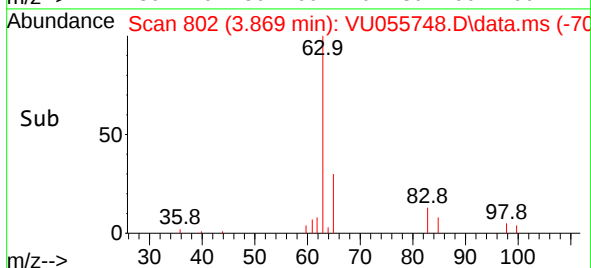
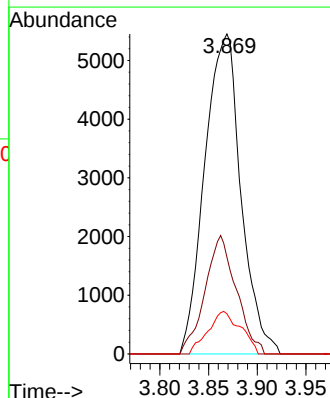
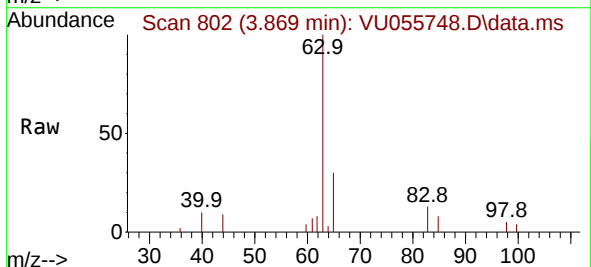
Instrument :
MSVOA_U
ClientSampleId :
EY1B4

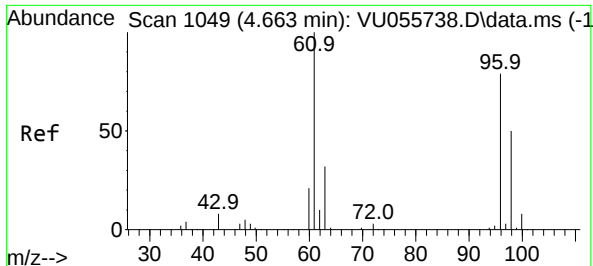
Tgt Ion: 96 Resp: 12405
Ion Ratio Lower Upper
96 100
61 150.4 102.1 189.7
98 75.7 46.3 86.1



#19
1,1-Dichloroethane
Concen: 2.238 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.006 min
Lab File: VU055748.D
Acq: 11 Oct 2023 15:22

Tgt Ion: 63 Resp: 14068
Ion Ratio Lower Upper
63 100
65 30.2 22.3 41.5
83 12.5 9.5 17.7





#20

cis-1,2-Dichloroethene

Concen: 563.975 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.006 min

Lab File: VU055748.D

Acq: 11 Oct 2023 15:22

Instrument :

MSVOA_U

ClientSampleId :

EY1B4

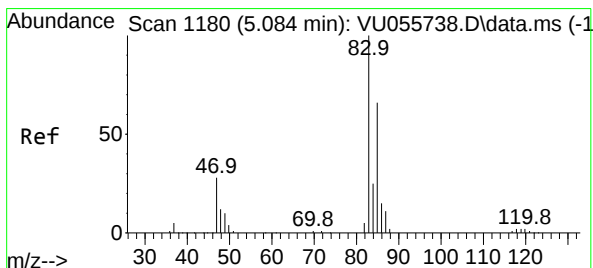
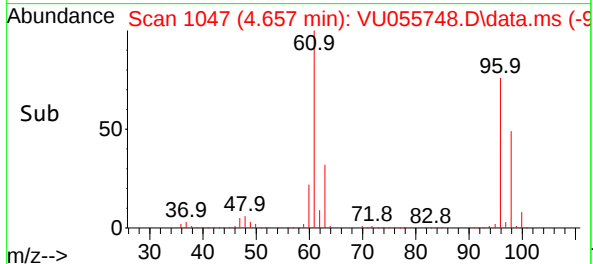
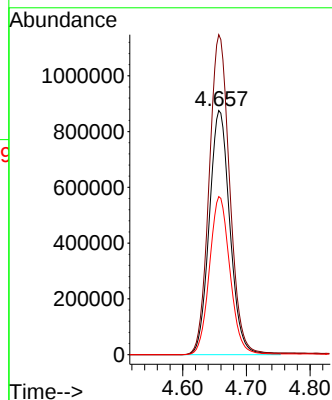
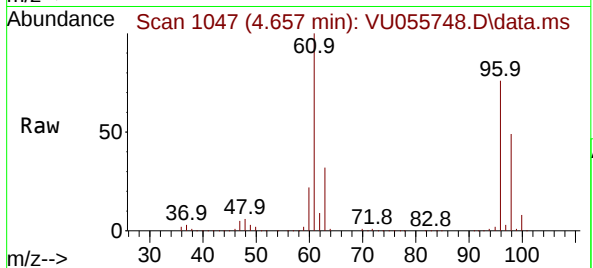
Tgt Ion: 96 Resp: 1972908

Ion Ratio Lower Upper

96 100

61 131.1 92.3 171.5

98 64.8 43.9 81.5



#25

Chloroform

Concen: 0.663 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.003 min

Lab File: VU055748.D

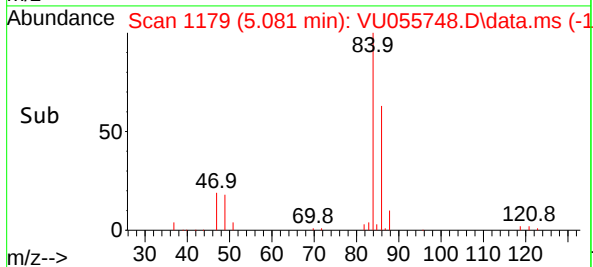
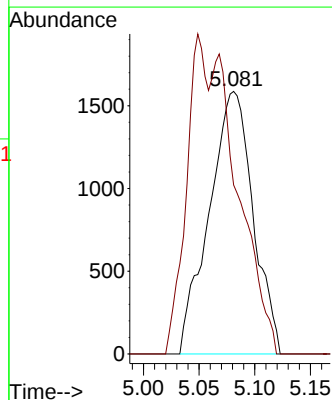
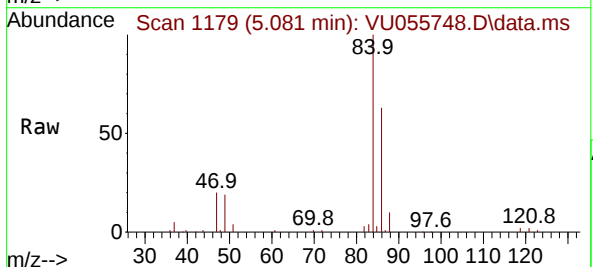
Acq: 11 Oct 2023 15:22

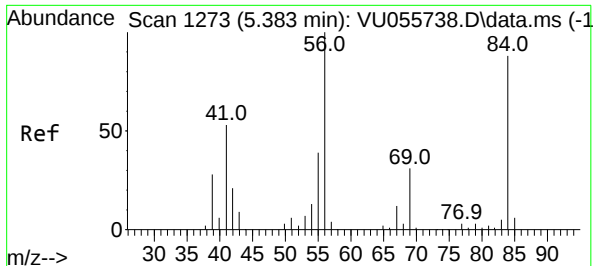
Tgt Ion: 83 Resp: 4353

Ion Ratio Lower Upper

83 100

85 64.3 46.3 86.1





#29

Cyclohexane

Concen: 0.826 ug/L

RT: 5.386 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU055748.D

Acq: 11 Oct 2023 15:22

Instrument :

MSVOA_U

ClientSampleId :

EY1B4

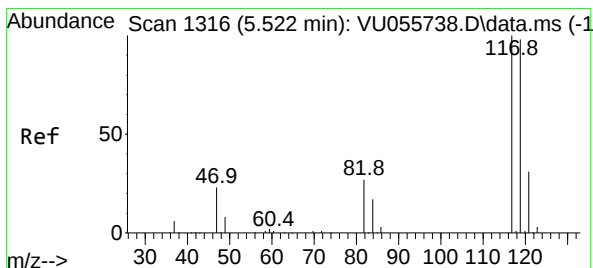
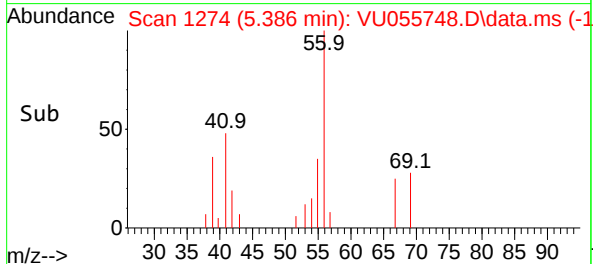
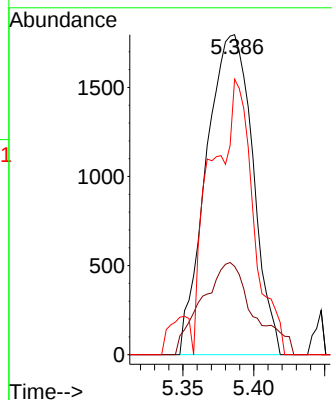
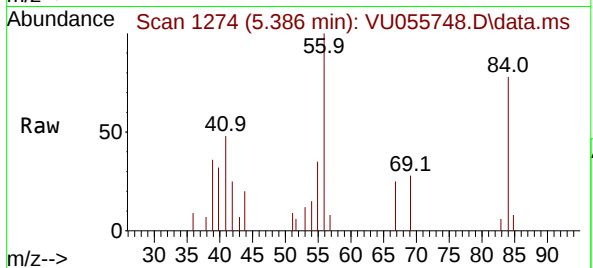
Tgt Ion: 56 Resp: 4102

Ion Ratio Lower Upper

56 100

69 29.2 24.9 37.3

84 44.5 70.7 106.1#



#31

Carbon tetrachloride

Concen: 1.353 ug/L

RT: 5.518 min Scan# 1315

Delta R.T. -0.003 min

Lab File: VU055748.D

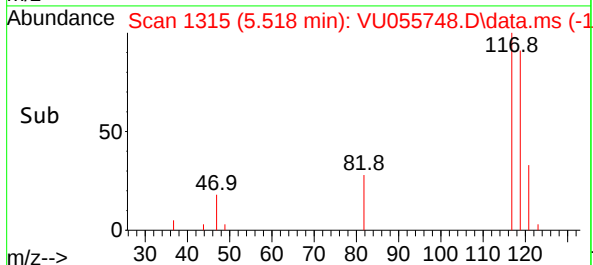
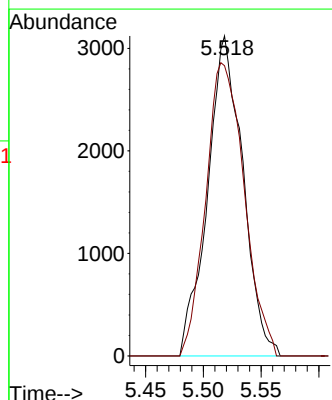
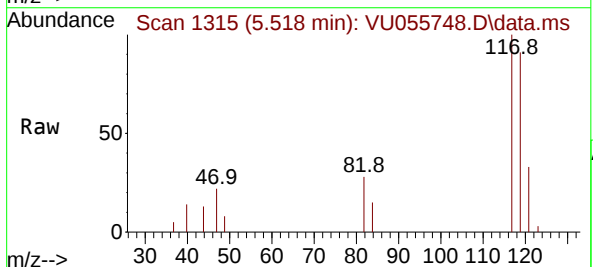
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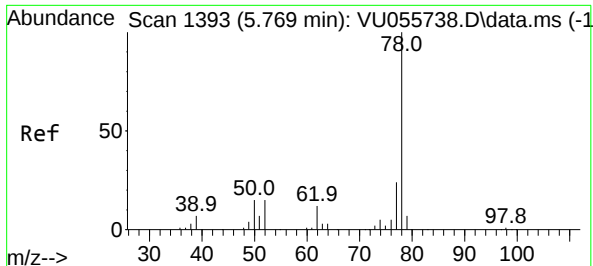
Tgt Ion: 117 Resp: 6633

Ion Ratio Lower Upper

117 100

119 99.6 75.4 113.0

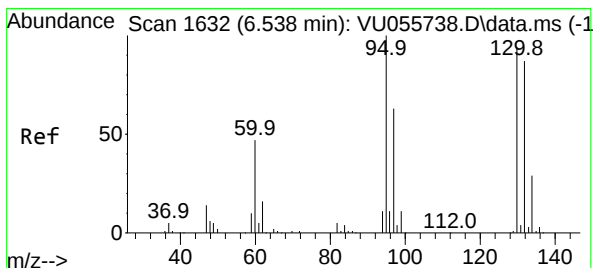
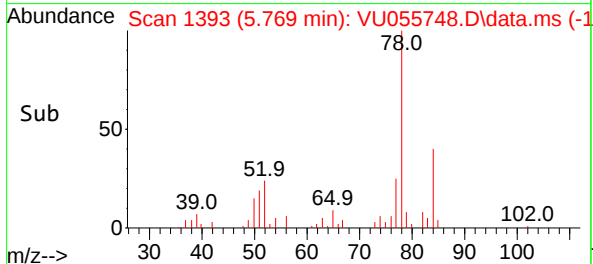
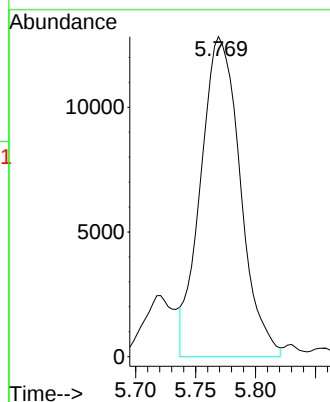
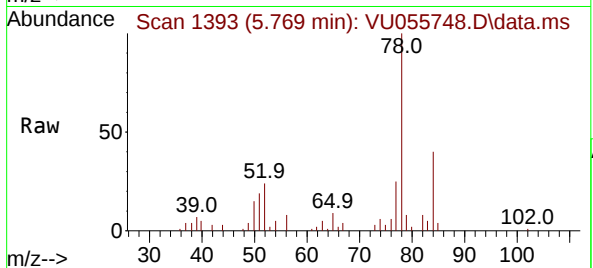




#33
Benzene
Concen: 2.149 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU055748.D
Acq: 11 Oct 2023 15:22

Instrument :
MSVOA_U
ClientSampleId :
EY1B4

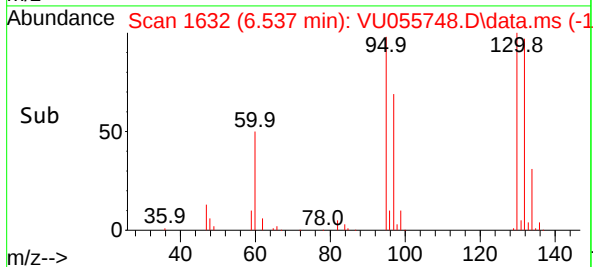
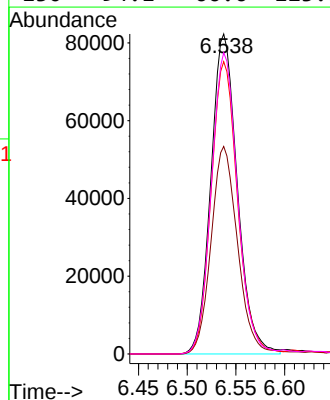
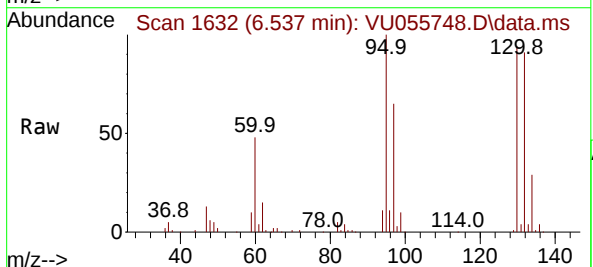
Tgt Ion: 78 Resp: 29448

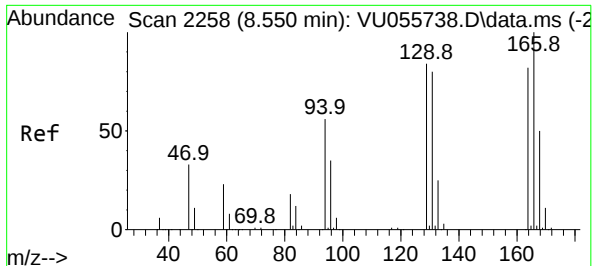


#34
Trichloroethene
Concen: 41.428 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU055748.D
Acq: 11 Oct 2023 15:22

Tgt Ion: 95 Resp: 155298

Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.4	82.5
132	91.3	61.8	114.8
130	94.1	66.6	123.8





#46
 Tetrachloroethene
 Concen: 232.104 ug/L
 RT: 8.550 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU055748.D
 Acq: 11 Oct 2023 15:22

Instrument :
 MSVOA_U
 ClientSampleId :
 EY1B4

Tgt Ion:164 Resp: 622940

Ion	Ratio	Lower	Upper
164	100		
129	101.6	70.7	131.3
131	98.5	65.9	122.5
166	128.2	87.8	163.0

