

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056859.D
 Acq On : 15 Dec 2023 01:02
 Operator : MD/SY
 Sample : 05731-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EOY58

Quant Time: Dec 15 05:11:02 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)

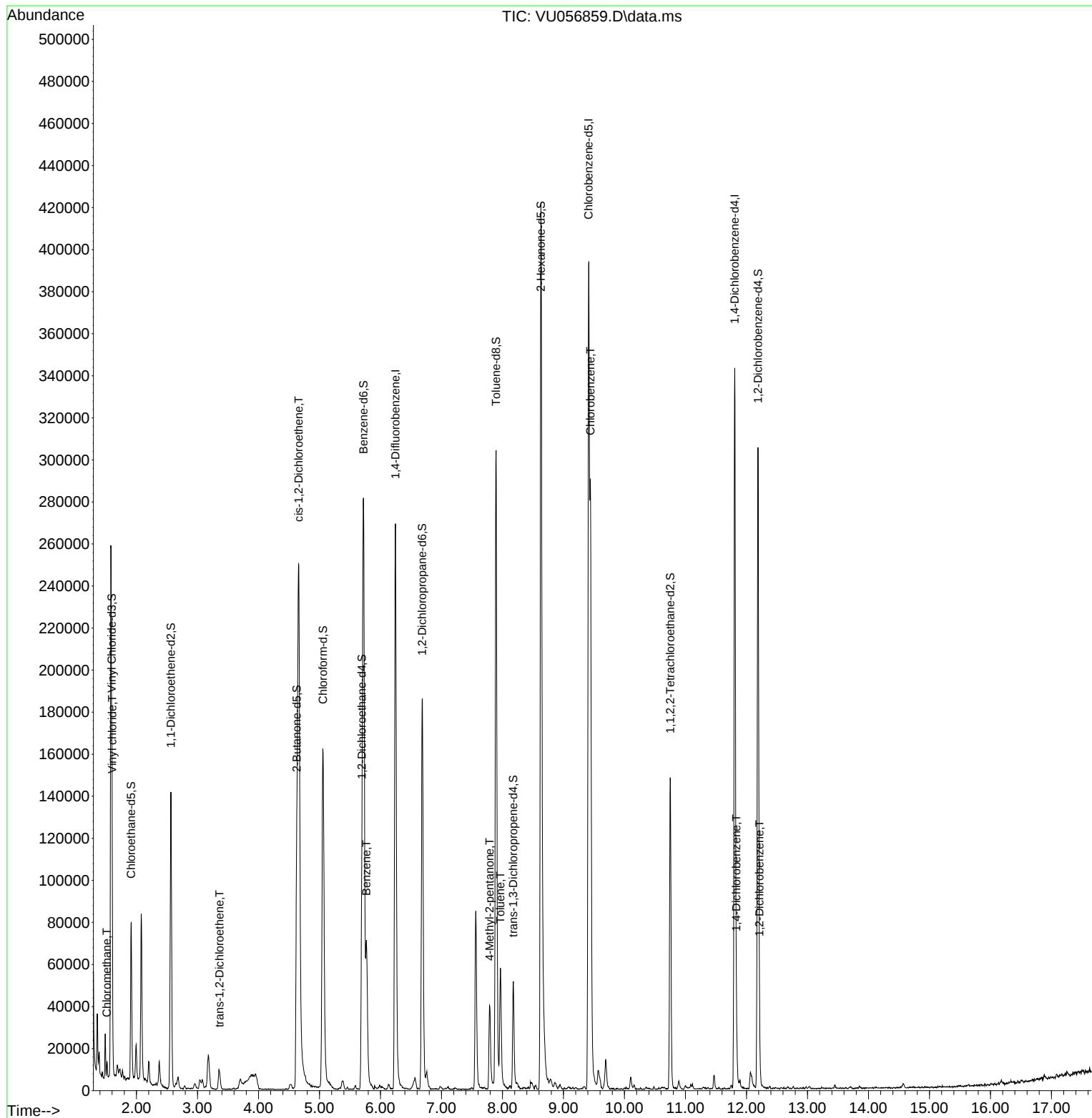
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	222445	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	224757	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	92500	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	59752	3.134	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	62.600%	
7) Chloroethane-d5	1.911	69	56148	3.935	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	78.800%	
11) 1,1-Dichloroethene-d2	2.563	65	27071	3.318	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	66.400%	
20) 2-Butanone-d5	4.628	46	208867	55.469	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	110.940%	
24) Chloroform-d	5.055	84	156595	4.337	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	86.800%	
26) 1,2-Dichloroethane-d4	5.695	65	78188	4.576	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.600%	
32) Benzene-d6	5.721	84	272135	3.904	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	78.000%	
36) 1,2-Dichloropropane-d6	6.682	67	92994	4.262	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	85.200%	
41) Toluene-d8	7.894	98	211507	3.395	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	67.800%#	
43) trans-1,3-Dichloroprop...	8.177	79	30675	3.625	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	72.600%	
46) 2-Hexanone-d5	8.631	63	147932	46.352	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	92.700%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	76164	4.824	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	96.400%	
66) 1,2-Dichlorobenzene-d4	12.190	152	81535	4.484	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	89.600%	
Target Compounds						
3) Chloromethane	1.515	50	5356	0.234	ug/L	99
5) Vinyl chloride	1.602	62	21058	0.925	ug/L #	82
18) trans-1,2-Dichloroethene	3.361	96	2580	0.141	ug/L #	66
22) cis-1,2-Dichloroethene	4.660	96	102695	5.155	ug/L	99
33) Benzene	5.769	78	66153	0.837	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	28802	3.002	ug/L	94
42) Toluene	7.965	91	43325	0.530	ug/L	100
51) Chlorobenzene	9.441	112	150342	2.886	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	7715	0.227	ug/L	87
67) 1,2-Dichlorobenzene	12.213	146	5119	0.163	ug/L	96

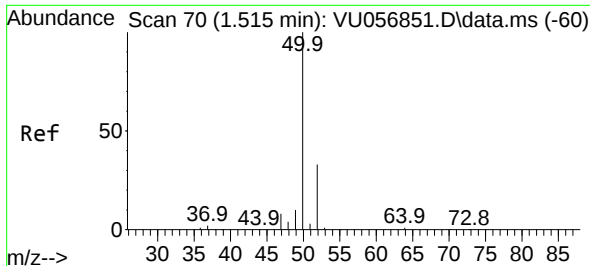
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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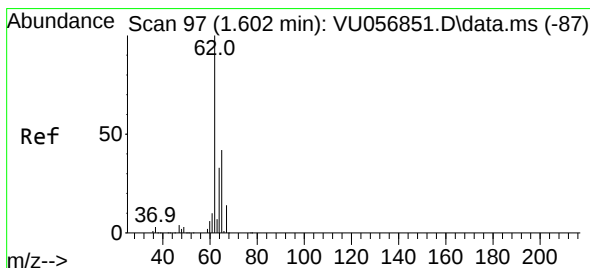
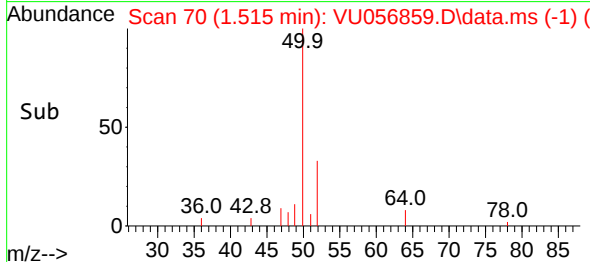
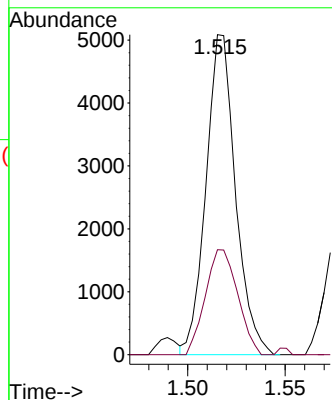
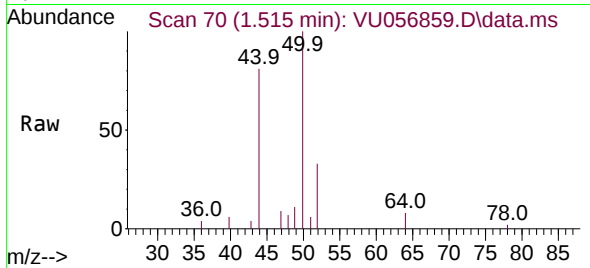




#3
Chloromethane
Concen: 0.234 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU056859.D
Acq: 15 Dec 2023 01:02

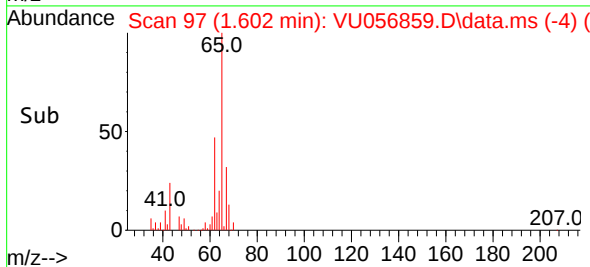
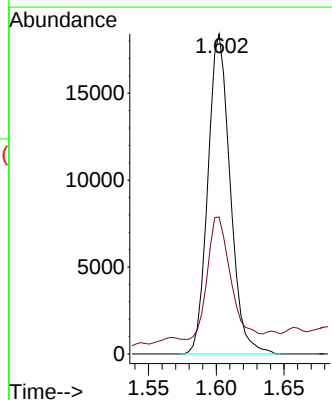
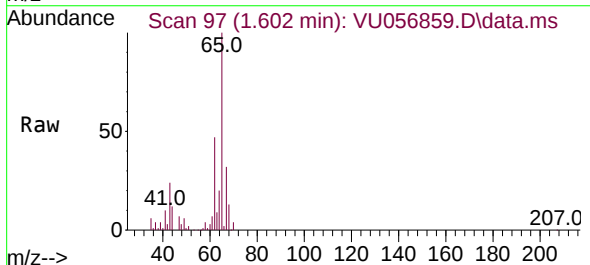
Instrument :
MSVOA_U
ClientSampleId :
E0Y58

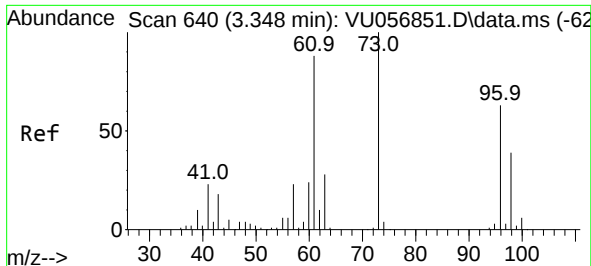
Tgt Ion: 50 Resp: 5356
Ion Ratio Lower Upper
50 100
52 32.8 22.5 41.7



#5
Vinyl chloride
Concen: 0.925 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU056859.D
Acq: 15 Dec 2023 01:02

Tgt Ion: 62 Resp: 21058
Ion Ratio Lower Upper
62 100
64 42.8 22.8 42.4#

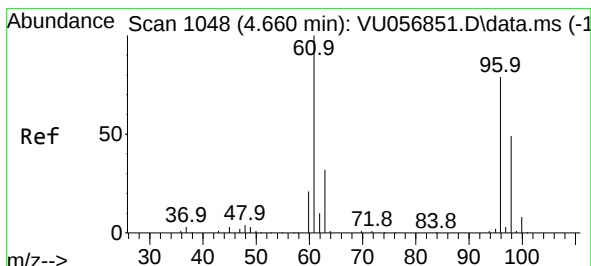
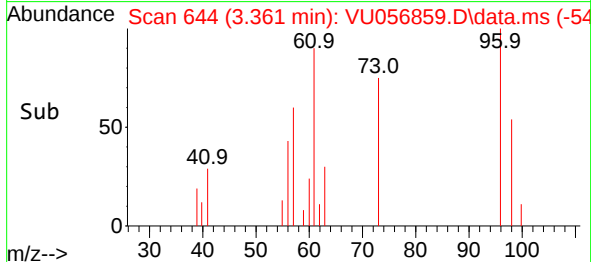
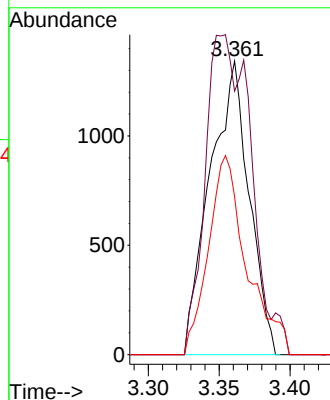
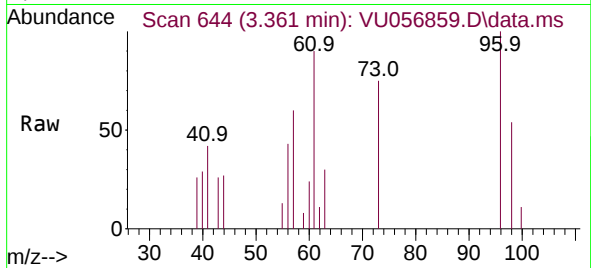




#18
trans-1,2-Dichloroethene
Concen: 0.141 ug/L
RT: 3.361 min Scan# 64
Delta R.T. 0.013 min
Lab File: VU056859.D
Acq: 15 Dec 2023 01:02

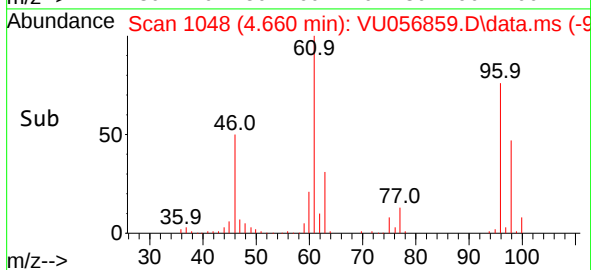
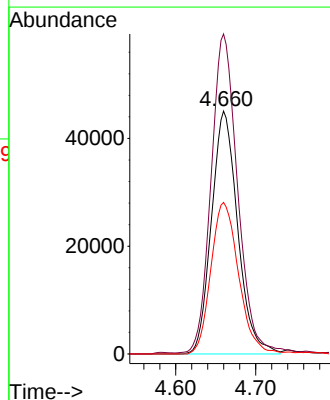
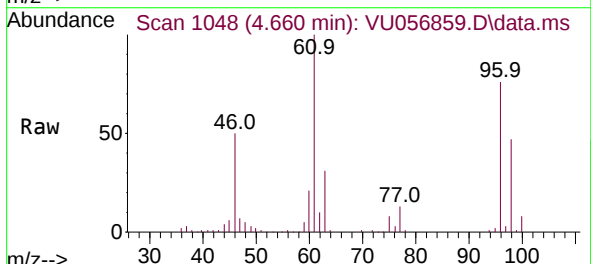
Instrument :
MSVOA_U
ClientSampleId :
E0Y58

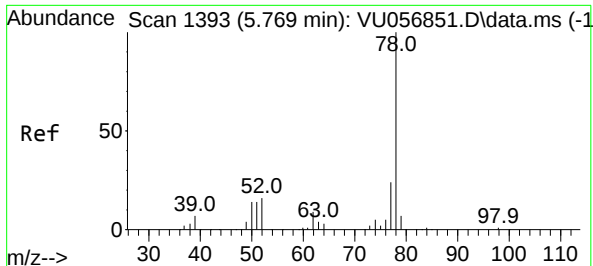
Tgt Ion: 96 Resp: 2580
Ion Ratio Lower Upper
96 100
61 89.8 101.8 189.0#
98 53.8 43.0 79.8



#22
cis-1,2-Dichloroethene
Concen: 5.155 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU056859.D
Acq: 15 Dec 2023 01:02

Tgt Ion: 96 Resp: 102695
Ion Ratio Lower Upper
96 100
61 131.7 91.3 169.6
98 62.4 44.2 82.0





#33

Benzene

Concen: 0.837 ug/L

RT: 5.769 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056859.D

Acq: 15 Dec 2023 01:02

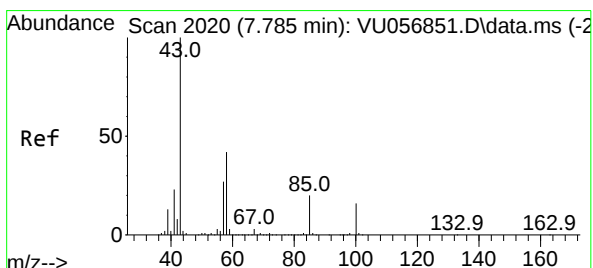
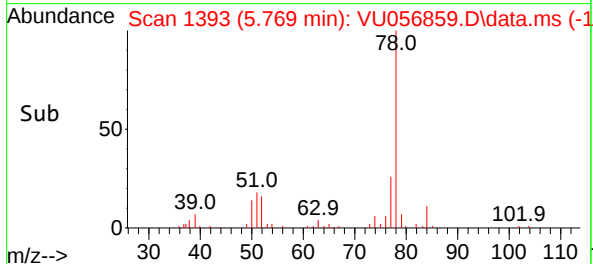
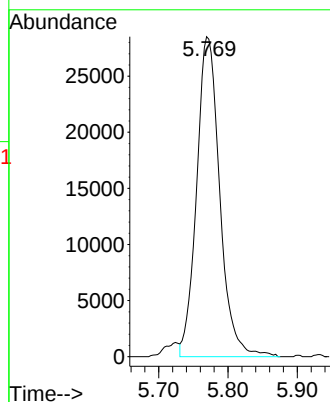
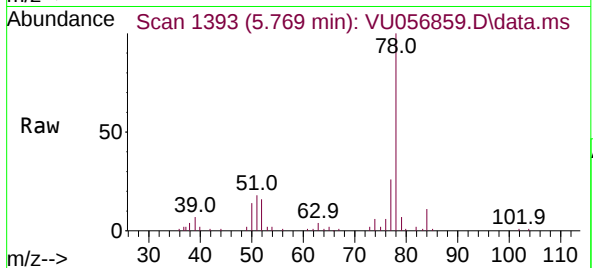
Instrument :

MSVOA_U

ClientSampleId :

E0Y58

Tgt Ion: 78 Resp: 66153



#40

4-Methyl-2-pentanone

Concen: 3.002 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU056859.D

Acq: 15 Dec 2023 01:02

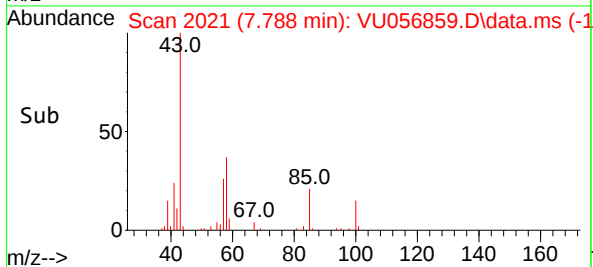
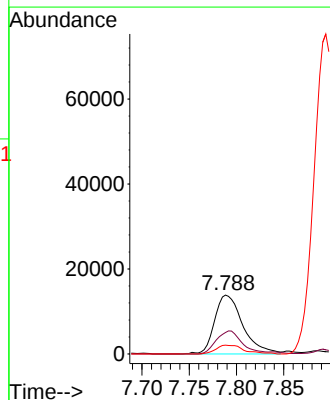
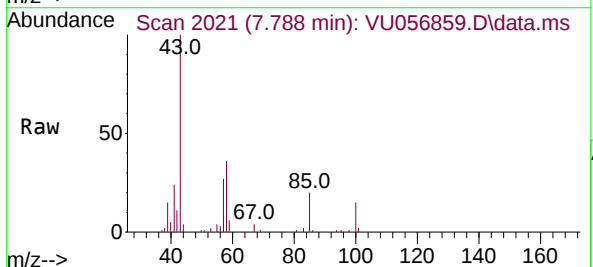
Tgt Ion: 43 Resp: 28802

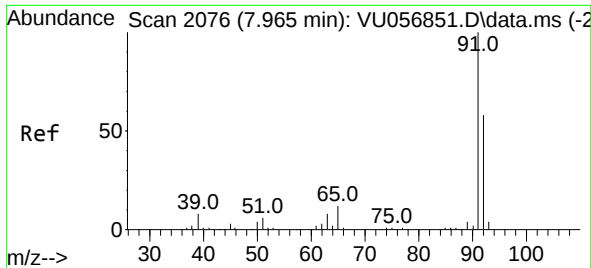
Ion Ratio Lower Upper

43 100

58 37.6 33.7 50.5

100 14.8 13.0 19.4





#42

Toluene

Concen: 0.530 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056859.D

Acq: 15 Dec 2023 01:02

Instrument :

MSVOA_U

ClientSampleId :

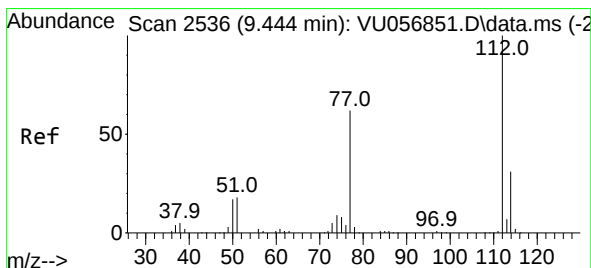
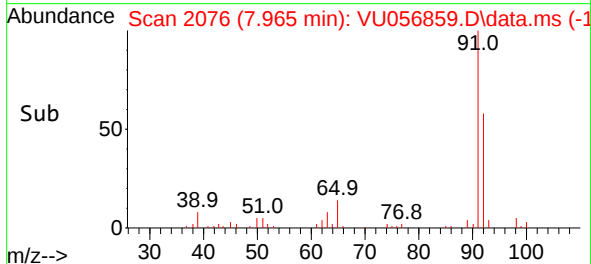
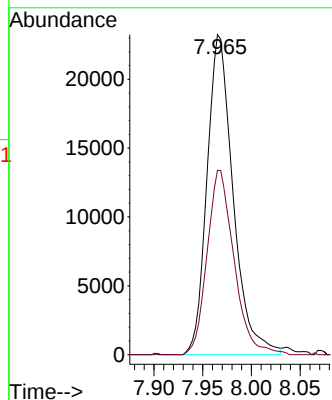
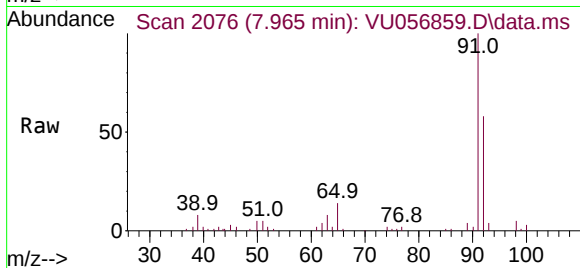
E0Y58

Tgt Ion: 91 Resp: 43325

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#51

Chlorobenzene

Concen: 2.886 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU056859.D

Acq: 15 Dec 2023 01:02

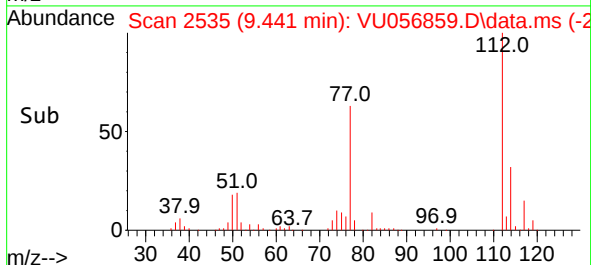
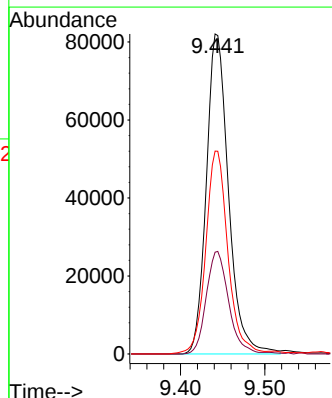
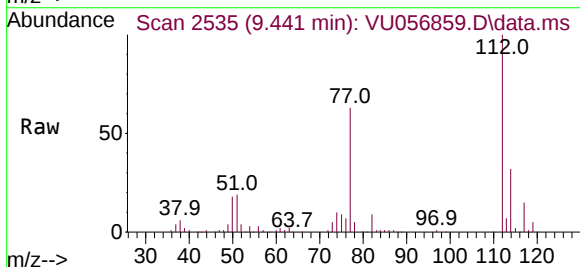
Tgt Ion: 112 Resp: 150342

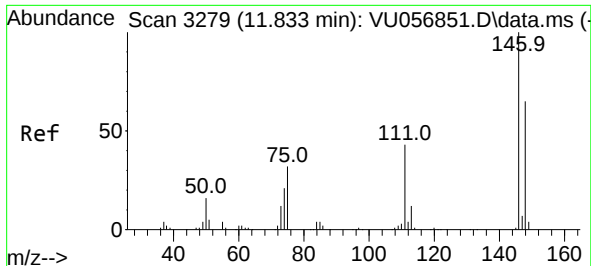
Ion Ratio Lower Upper

112 100

114 31.8 21.9 40.7

77 63.4 51.6 77.4

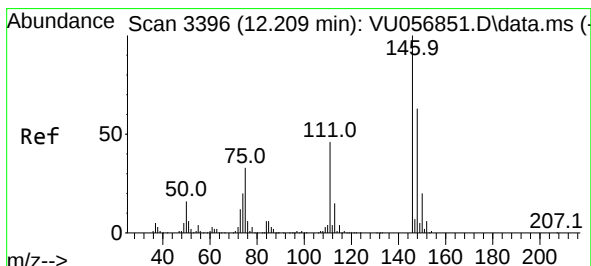
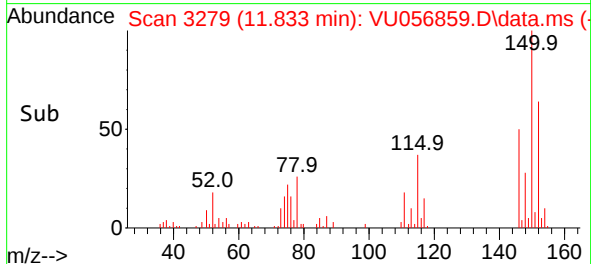
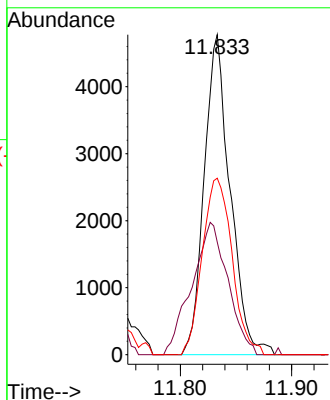
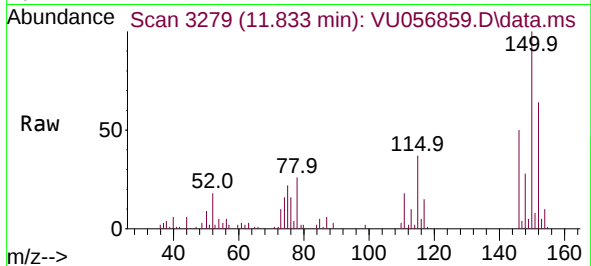




#65
1,4-Dichlorobenzene
Concen: 0.227 ug/L
RT: 11.833 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056859.D
Acq: 15 Dec 2023 01:02

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Tgt Ion:146 Resp: 7715
Ion Ratio Lower Upper
146 100
111 35.2 31.2 58.0
148 55.2 45.6 84.8



#67
1,2-Dichlorobenzene
Concen: 0.163 ug/L
RT: 12.213 min Scan# 3397
Delta R.T. 0.003 min
Lab File: VU056859.D
Acq: 15 Dec 2023 01:02

Tgt Ion:146 Resp: 5119
Ion Ratio Lower Upper
146 100
111 49.1 36.9 55.3
148 69.7 53.0 79.4

