

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056854.D
 Acq On : 14 Dec 2023 23:01
 Operator : MD/SY
 Sample : 05731-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EOY53

Quant Time: Dec 15 05:09:34 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)

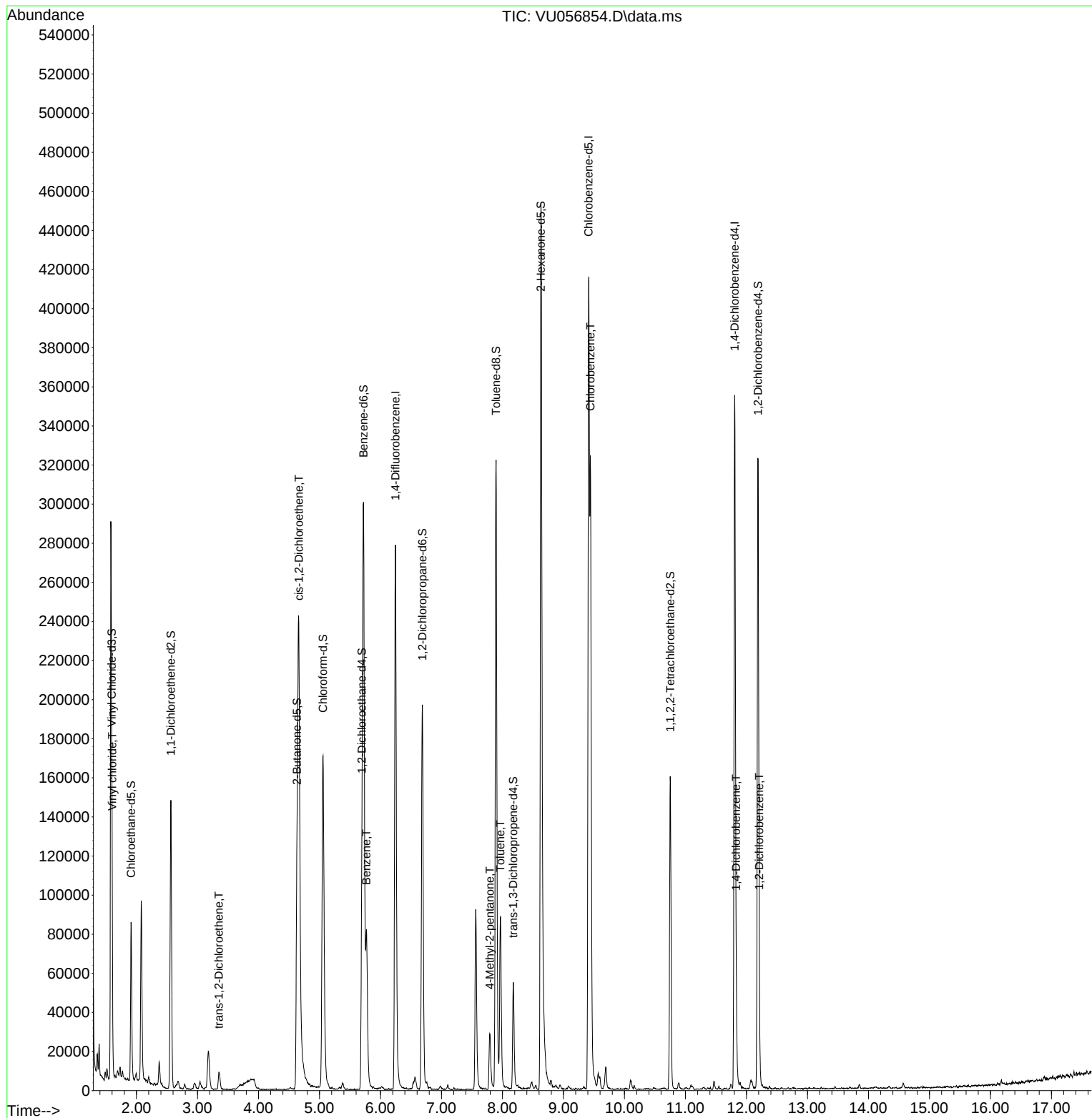
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	232702	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	235462	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	97346	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	62491	3.133	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.600%
7) Chloroethane-d5	1.911	69	59901	4.013	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.200%
11) 1,1-Dichloroethene-d2	2.563	65	28981	3.396	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.000%
20) 2-Butanone-d5	4.631	46	224064	56.882	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.760%
24) Chloroform-d	5.055	84	163439	4.327	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
26) 1,2-Dichloroethane-d4	5.695	65	81931	4.584	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
32) Benzene-d6	5.721	84	287043	3.930	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.600%
36) 1,2-Dichloropropane-d6	6.685	67	99256	4.342	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.800%
41) Toluene-d8	7.894	98	226148	3.465	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.200%#
43) trans-1,3-Dichloroprop...	8.177	79	34806	3.926	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.600%
46) 2-Hexanone-d5	8.631	63	162247	48.526	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.060%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	82901	5.012	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	88652	4.633	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	25248	1.060	ug/L	96
18) trans-1,2-Dichloroethene	3.348	96	2882	0.150	ug/L	90
22) cis-1,2-Dichloroethene	4.663	96	90781	4.356	ug/L	98
33) Benzene	5.769	78	74620	0.902	ug/L	100
40) 4-Methyl-2-pentanone	7.792	43	21175	2.107	ug/L #	86
42) Toluene	7.965	91	68874	0.804	ug/L	98
51) Chlorobenzene	9.441	112	166382	3.049	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	9548	0.267	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	6094	0.184	ug/L	97

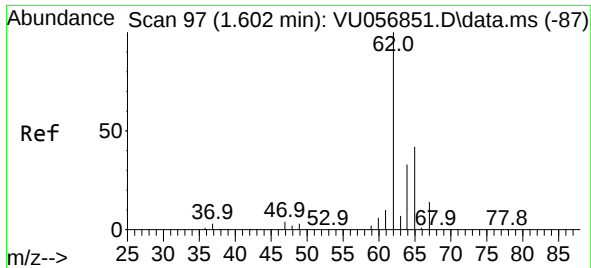
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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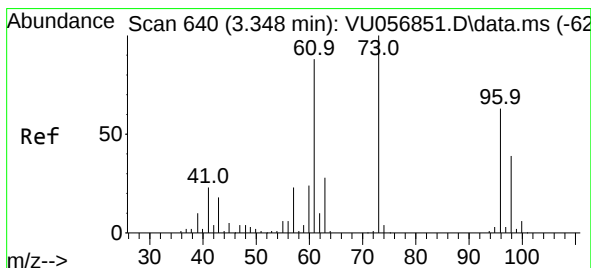
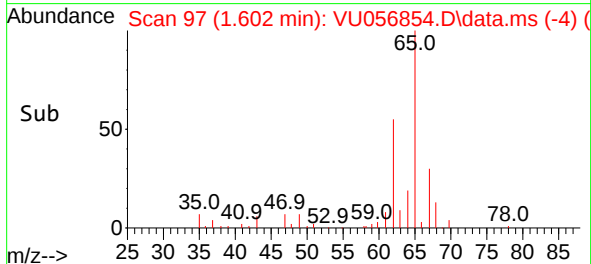
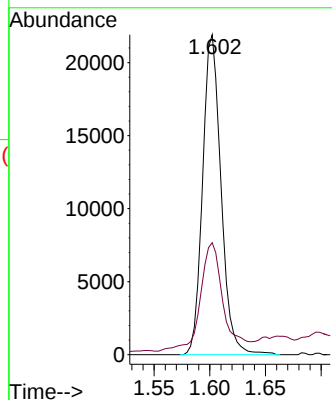
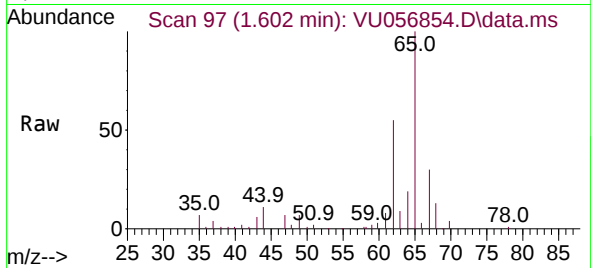




#5
 Vinyl chloride
 Concen: 1.060 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU056854.D
 Acq: 14 Dec 2023 23:01

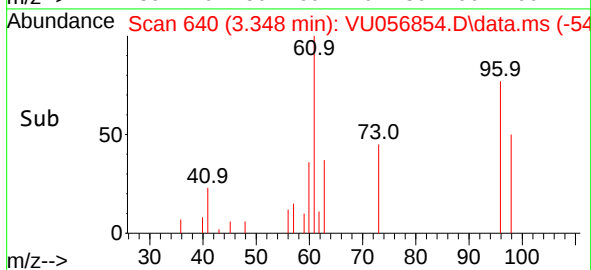
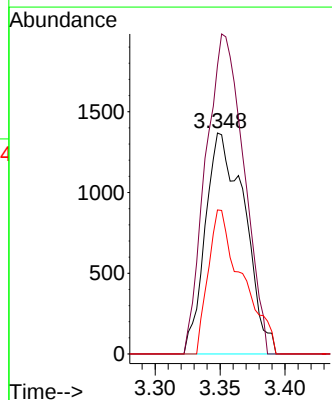
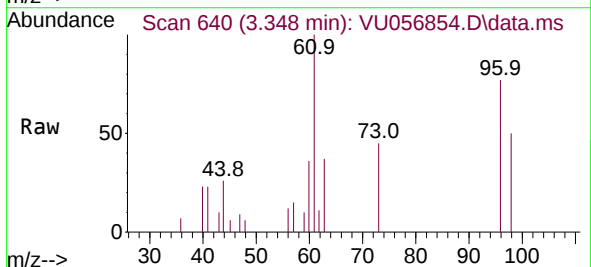
Instrument :
 MSVOA_U
 ClientSampleId :
 E0Y53

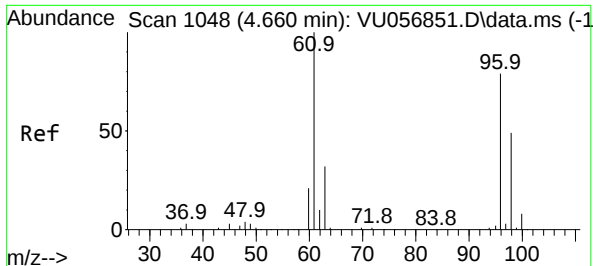
Tgt Ion: 62 Resp: 25248
 Ion Ratio Lower Upper
 62 100
 64 35.0 22.8 42.4



#18
 trans-1,2-Dichloroethene
 Concen: 0.150 ug/L
 RT: 3.348 min Scan# 640
 Delta R.T. 0.000 min
 Lab File: VU056854.D
 Acq: 14 Dec 2023 23:01

Tgt Ion: 96 Resp: 2882
 Ion Ratio Lower Upper
 96 100
 61 130.6 101.8 189.0
 98 65.2 43.0 79.8

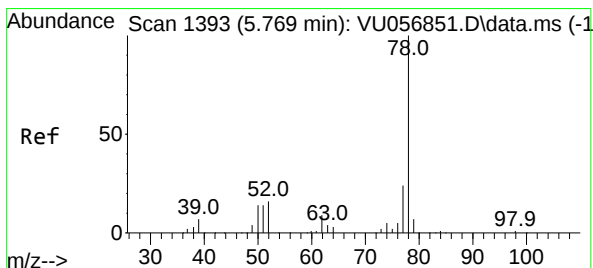
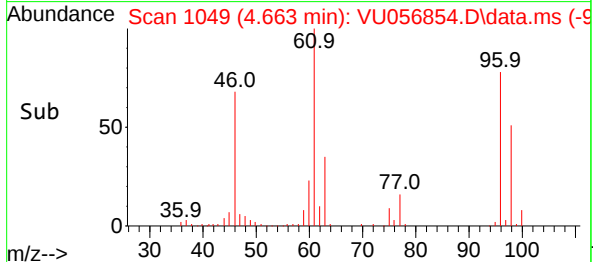
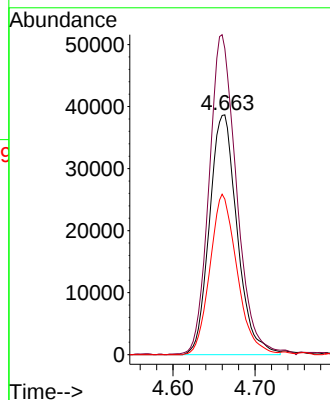
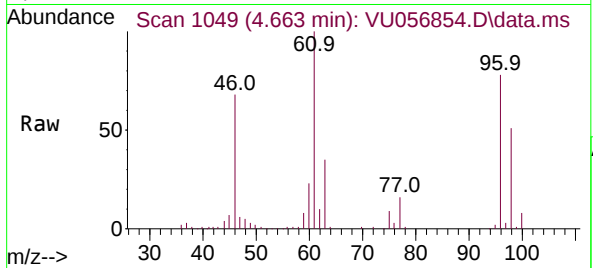




#22
 cis-1,2-Dichloroethene
 Concen: 4.356 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.003 min
 Lab File: VU056854.D
 Acq: 14 Dec 2023 23:01

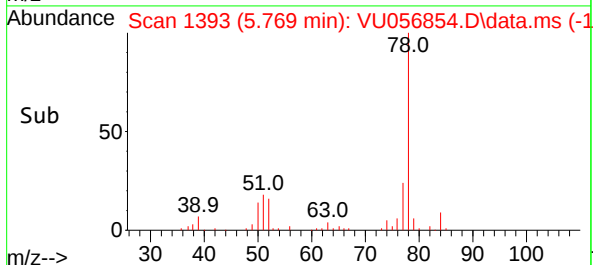
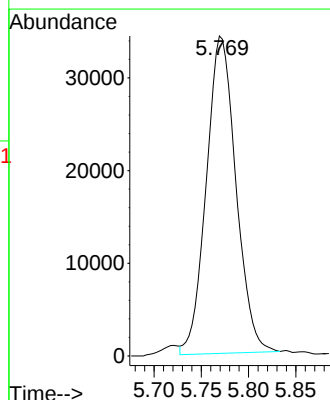
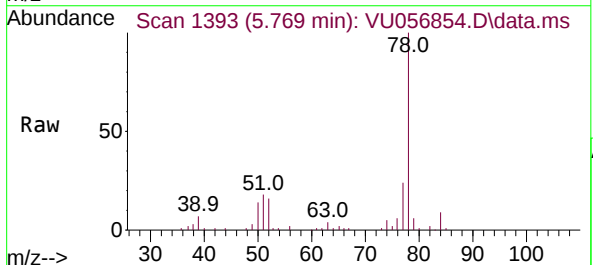
Instrument :
 MSVOA_U
 ClientSampleId :
 E0Y53

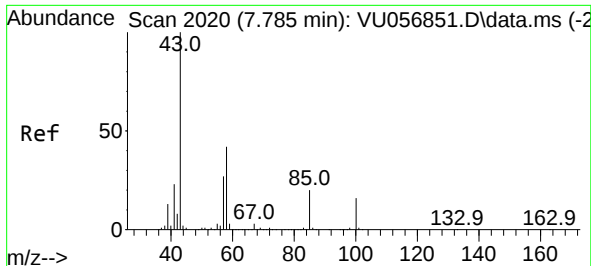
Tgt Ion: 96 Resp: 90781
 Ion Ratio Lower Upper
 96 100
 61 127.6 91.3 169.6
 98 64.8 44.2 82.0



#33
 Benzene
 Concen: 0.902 ug/L
 RT: 5.769 min Scan# 1393
 Delta R.T. 0.000 min
 Lab File: VU056854.D
 Acq: 14 Dec 2023 23:01

Tgt Ion: 78 Resp: 74620





#40

4-Methyl-2-pentanone

Concen: 2.107 ug/L

RT: 7.792 min Scan# 20

Delta R.T. 0.006 min

Lab File: VU056854.D

Acq: 14 Dec 2023 23:01

Instrument :

MSVOA_U

ClientSampleId :

E0Y53

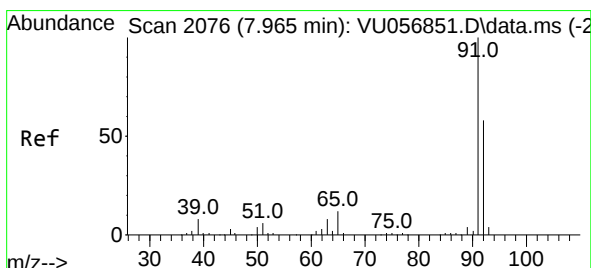
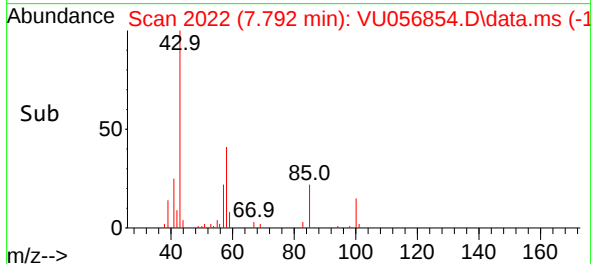
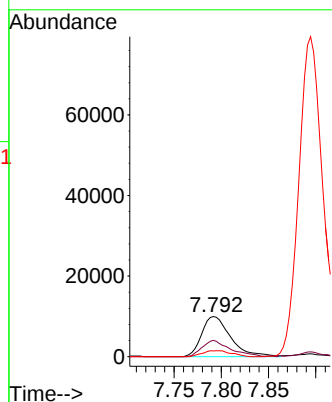
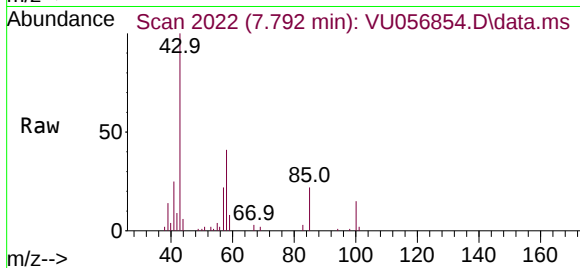
Tgt Ion: 43 Resp: 21175

Ion Ratio Lower Upper

43 100

58 39.3 33.7 50.5

100 0.0 13.0 19.4#



#42

Toluene

Concen: 0.804 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056854.D

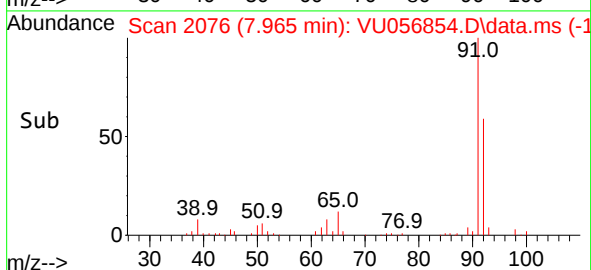
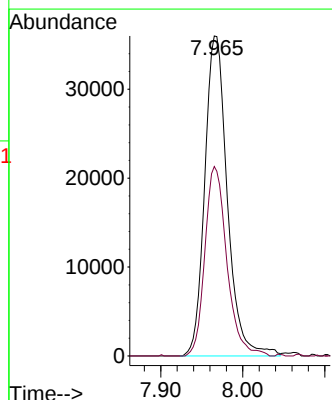
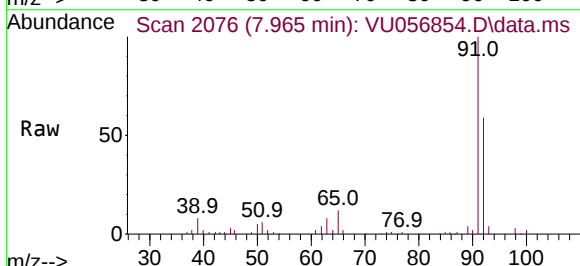
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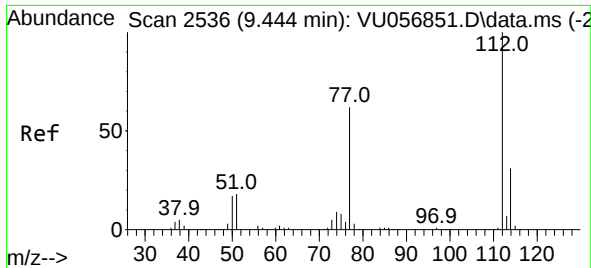
Tgt Ion: 91 Resp: 68874

Ion Ratio Lower Upper

91 100

92 59.2 40.4 75.0

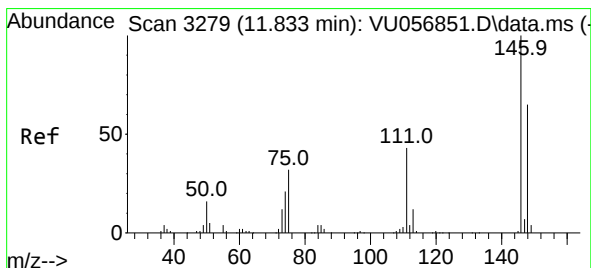
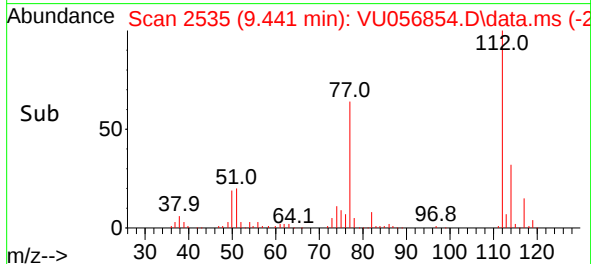
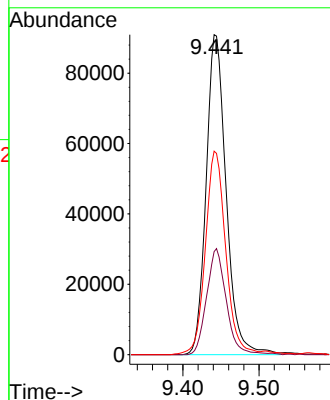
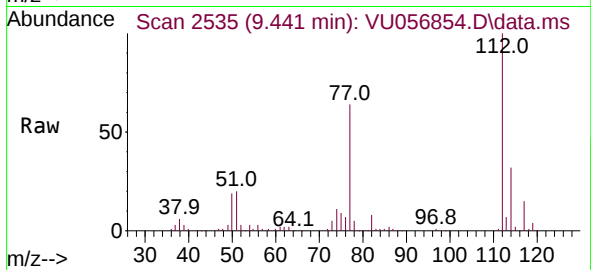




#51
Chlorobenzene
Concen: 3.049 ug/L
RT: 9.441 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056854.D
Acq: 14 Dec 2023 23:01

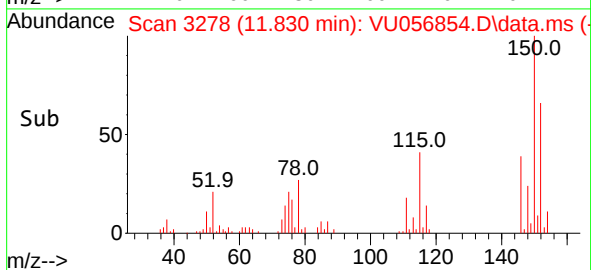
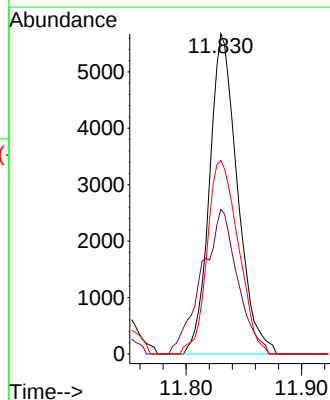
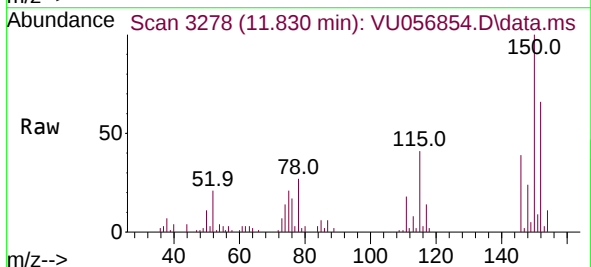
Instrument :
MSVOA_U
ClientSampleId :
E0Y53

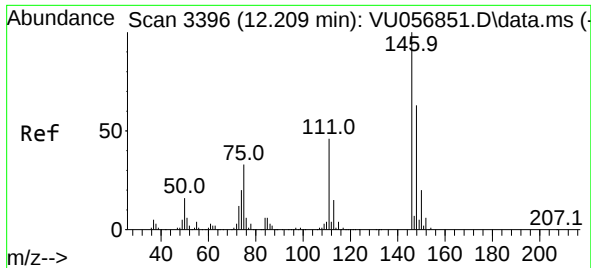
Tgt Ion:112 Resp: 166382
Ion Ratio Lower Upper
112 100
114 32.2 21.9 40.7
77 63.6 51.6 77.4



#65
1,4-Dichlorobenzene
Concen: 0.267 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056854.D
Acq: 14 Dec 2023 23:01

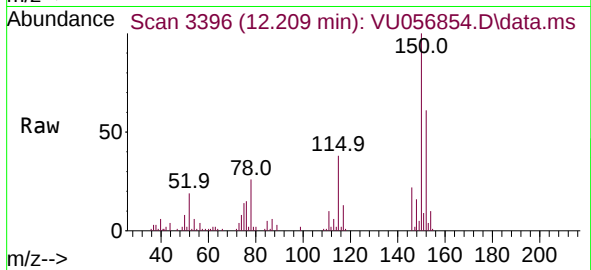
Tgt Ion:146 Resp: 9548
Ion Ratio Lower Upper
146 100
111 45.1 31.2 58.0
148 60.4 45.6 84.8





#67
1,2-Dichlorobenzene
Concen: 0.184 ug/L
RT: 12.209 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056854.D
Acq: 14 Dec 2023 23:01

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:	146	Resp:	6094
Ion	Ratio	Lower	Upper
146	100		
111	45.9	36.9	55.3
148	70.2	53.0	79.4

