

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056853.D
 Acq On : 14 Dec 2023 22:37
 Operator : MD/SY
 Sample : 05731-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EOY52

Quant Time: Dec 15 05:09:16 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)

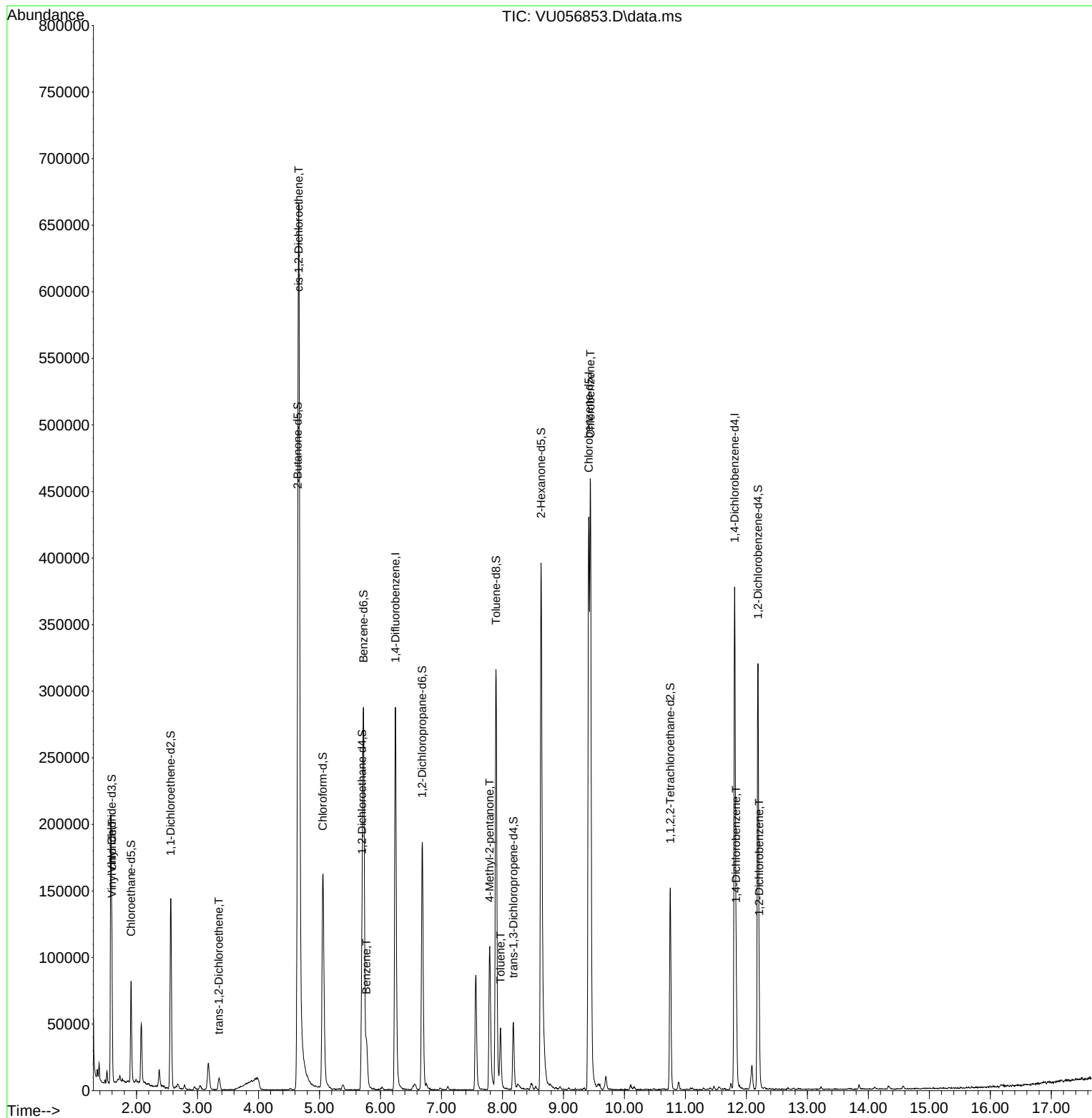
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	237048	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	239814	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	101495	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	61327	3.018	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.400%
7) Chloroethane-d5	1.911	69	57080	3.754	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.000%
11) 1,1-Dichloroethene-d2	2.560	65	27792	3.197	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.000%
20) 2-Butanone-d5	4.644	46	199632	49.750	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.500%
24) Chloroform-d	5.055	84	155240	4.035	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.600%
26) 1,2-Dichloroethane-d4	5.698	65	78493	4.311	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
32) Benzene-d6	5.721	84	275248	3.700	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.000%
36) 1,2-Dichloropropane-d6	6.685	67	94577	4.062	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.200%
41) Toluene-d8	7.894	98	223312	3.359	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.200%#
43) trans-1,3-Dichloroprop...	8.181	79	33421	3.702	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.000%
46) 2-Hexanone-d5	8.634	63	146512	43.025	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.040%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	76693	4.553	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	85418	4.281	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	12092	0.499	ug/L	90
18) trans-1,2-Dichloroethene	3.351	96	3491	0.179	ug/L	93
22) cis-1,2-Dichloroethene	4.660	96	322838	15.208	ug/L	100
33) Benzene	5.769	78	31333	0.372	ug/L	100
40) 4-Methyl-2-pentanone	7.791	43	81020	7.914	ug/L	96
42) Toluene	7.968	91	32751	0.376	ug/L	93
51) Chlorobenzene	9.444	112	240349	4.324	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	26780	0.717	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	10452	0.302	ug/L	95

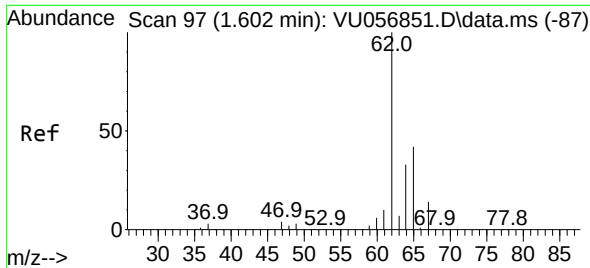
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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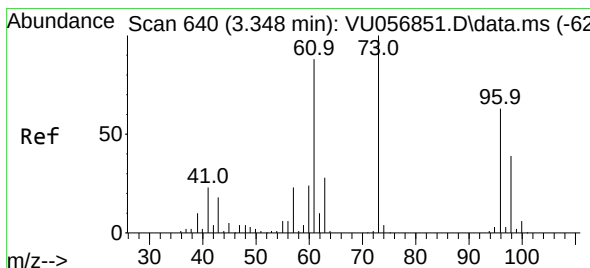
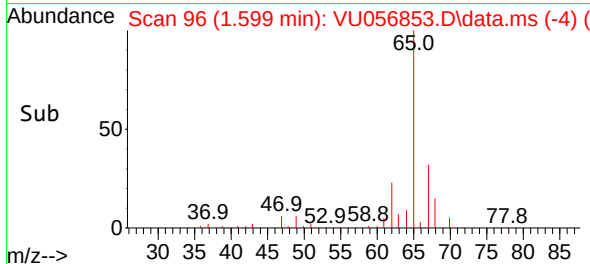
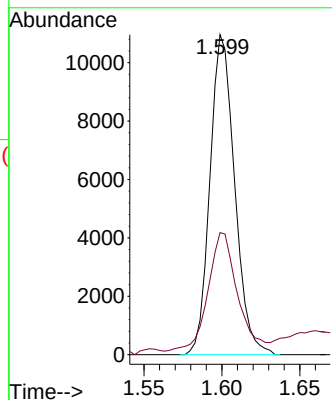
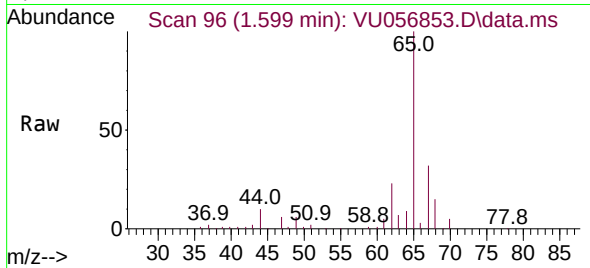




#5
 Vinyl chloride
 Concen: 0.499 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU056853.D
 Acq: 14 Dec 2023 22:37

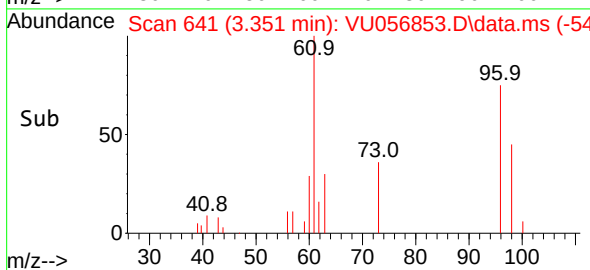
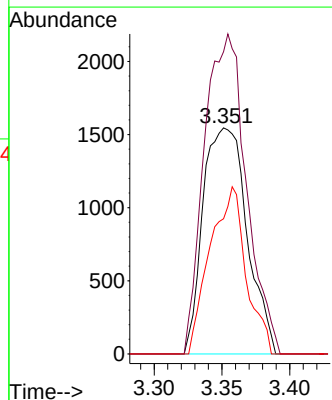
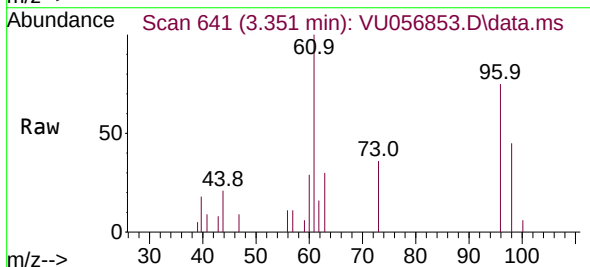
Instrument :
 MSVOA_U
 ClientSampleId :
 E0Y52

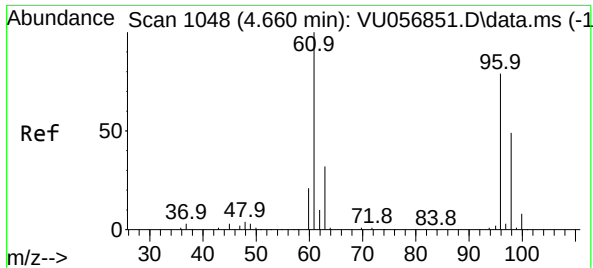
Tgt Ion: 62 Resp: 12092
 Ion Ratio Lower Upper
 62 100
 64 38.1 22.8 42.4



#18
 trans-1,2-Dichloroethene
 Concen: 0.179 ug/L
 RT: 3.351 min Scan# 641
 Delta R.T. 0.003 min
 Lab File: VU056853.D
 Acq: 14 Dec 2023 22:37

Tgt Ion: 96 Resp: 3491
 Ion Ratio Lower Upper
 96 100
 61 133.7 101.8 189.0
 98 59.8 43.0 79.8

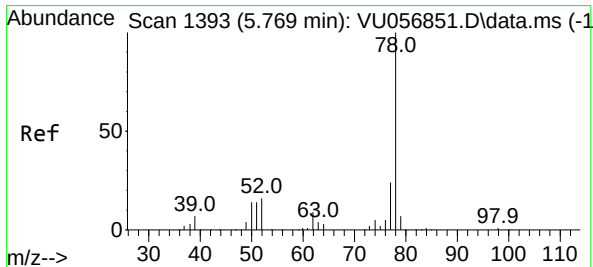
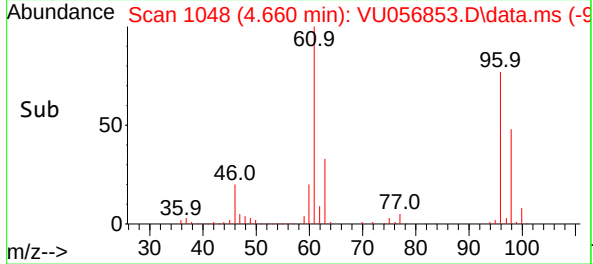
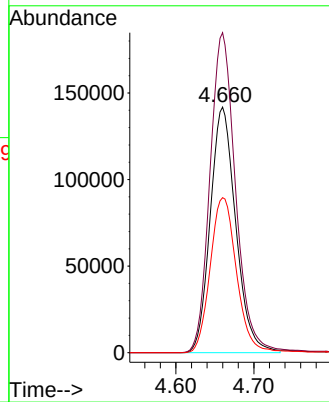
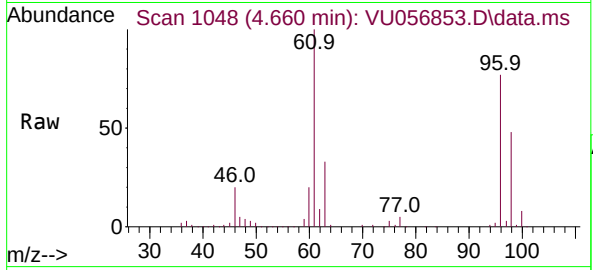




#22
cis-1,2-Dichloroethene
Concen: 15.208 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU056853.D
Acq: 14 Dec 2023 22:37

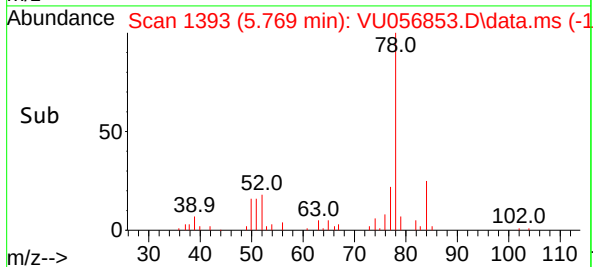
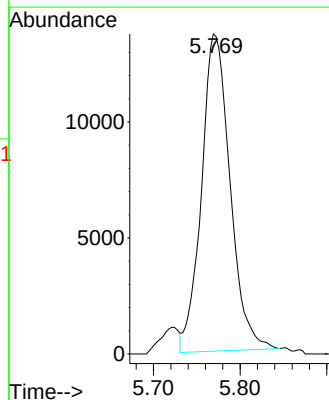
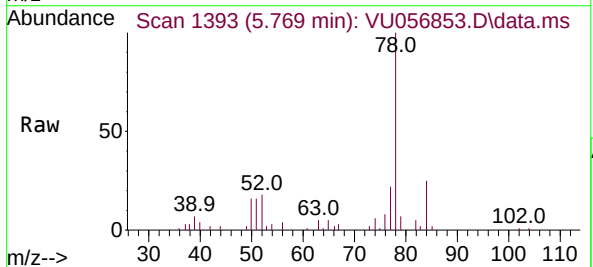
Instrument :
MSVOA_U
ClientSampleId :
E0Y52

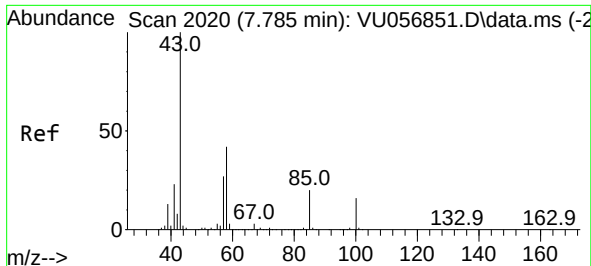
Tgt Ion: 96 Resp: 322838
Ion Ratio Lower Upper
96 100
61 130.3 91.3 169.6
98 63.2 44.2 82.0



#33
Benzene
Concen: 0.372 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056853.D
Acq: 14 Dec 2023 22:37

Tgt Ion: 78 Resp: 31333

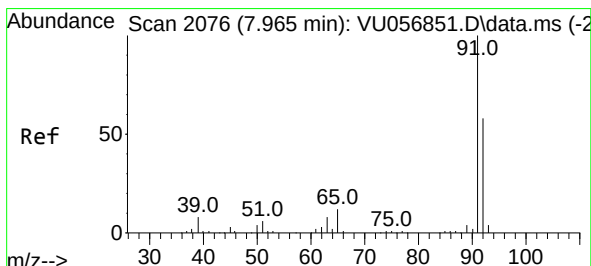
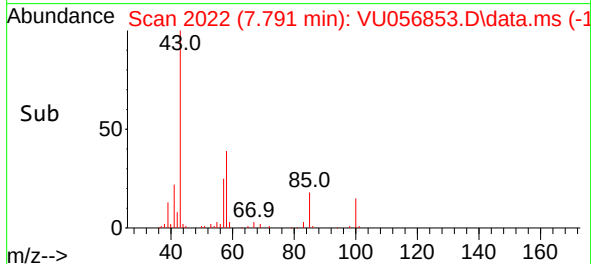
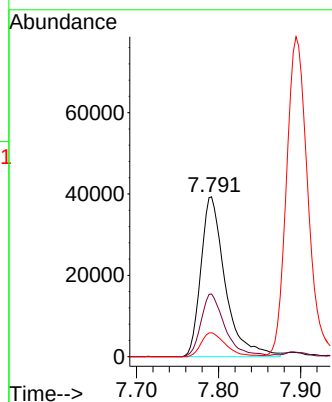
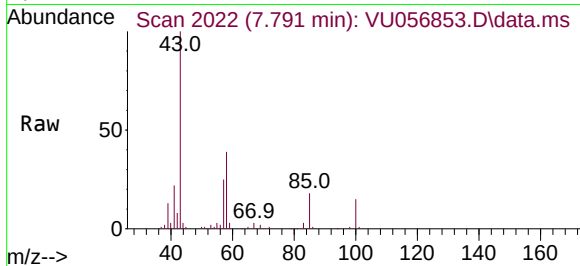




#40
4-Methyl-2-pentanone
Concen: 7.914 ug/L
RT: 7.791 min Scan# 20
Delta R.T. 0.006 min
Lab File: VU056853.D
Acq: 14 Dec 2023 22:37

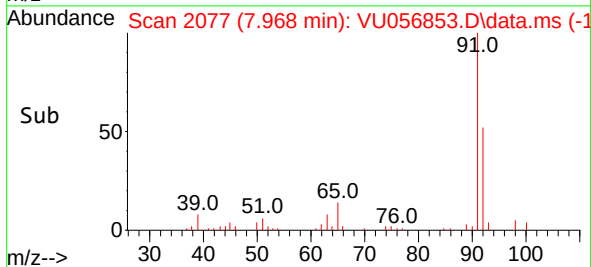
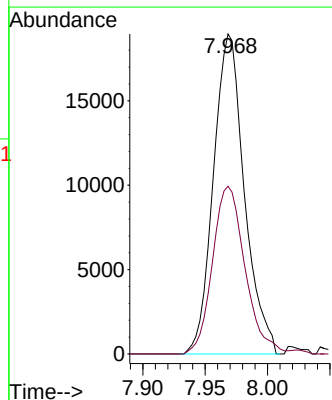
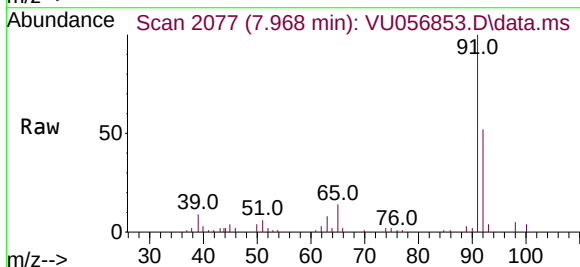
Instrument :
MSVOA_U
ClientSampleId :
E0Y52

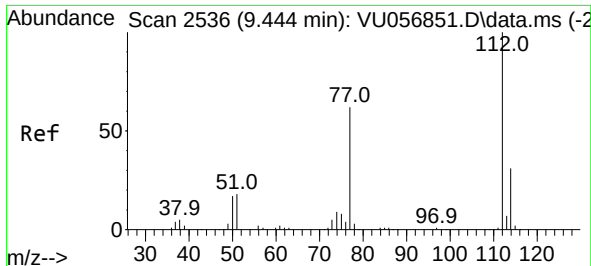
Tgt Ion: 43 Resp: 81020
Ion Ratio Lower Upper
43 100
58 38.7 33.7 50.5
100 15.3 13.0 19.4



#42
Toluene
Concen: 0.376 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VU056853.D
Acq: 14 Dec 2023 22:37

Tgt Ion: 91 Resp: 32751
Ion Ratio Lower Upper
91 100
92 52.4 40.4 75.0

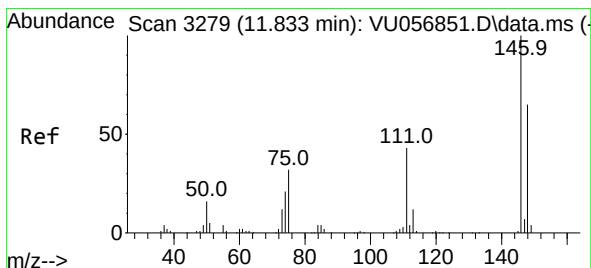
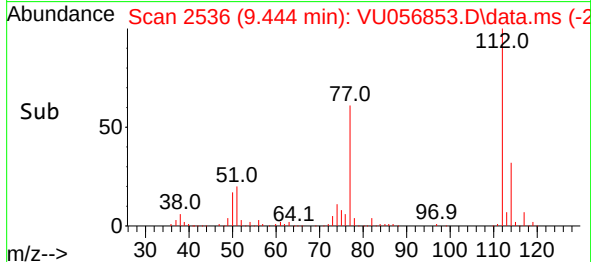
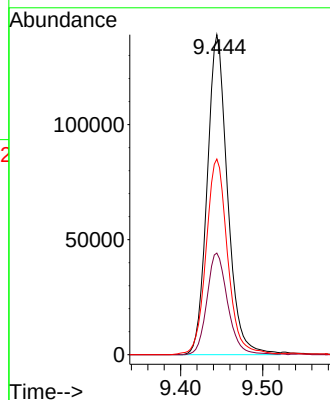
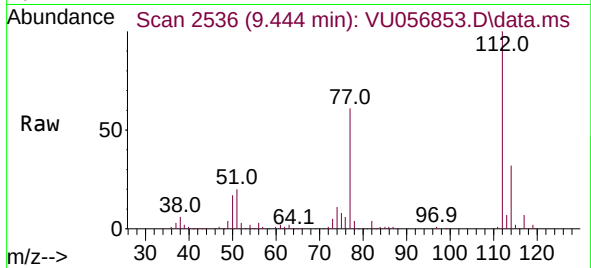




#51
Chlorobenzene
Concen: 4.324 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU056853.D
Acq: 14 Dec 2023 22:37

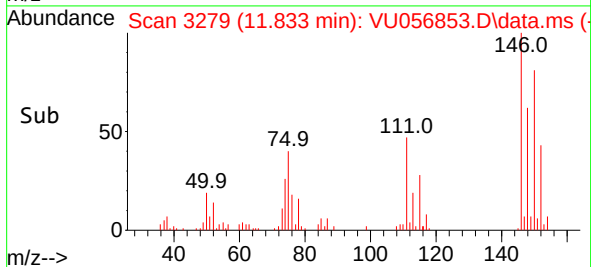
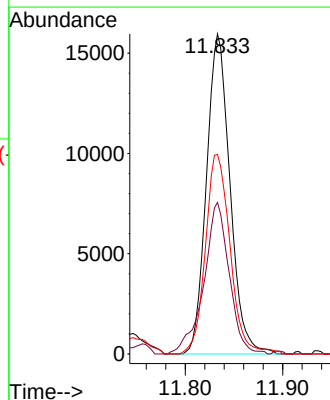
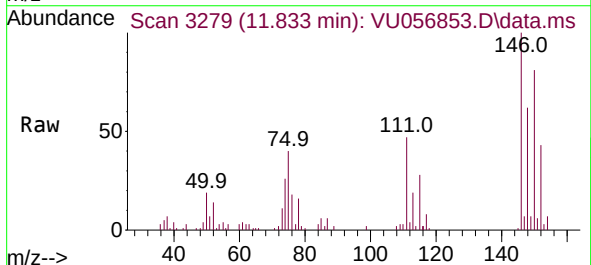
Instrument :
MSVOA_U
ClientSampleId :
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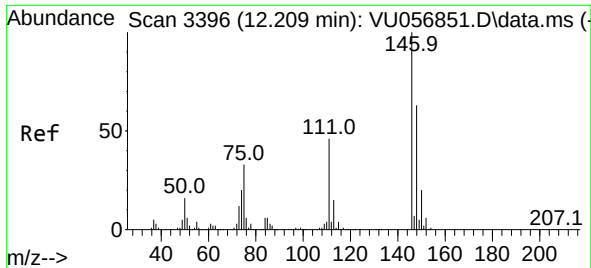
Tgt Ion:112 Resp: 240349
Ion Ratio Lower Upper
112 100
114 31.8 21.9 40.7
77 61.2 51.6 77.4



#65
1,4-Dichlorobenzene
Concen: 0.717 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU056853.D
Acq: 14 Dec 2023 22:37

Tgt Ion:146 Resp: 26780
Ion Ratio Lower Upper
146 100
111 47.3 31.2 58.0
148 62.3 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 0.302 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056853.D

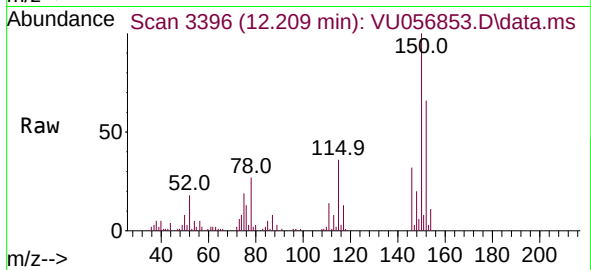
Acq: 14 Dec 2023 22:37

Instrument :

MSVOA_U

ClientSampleId :

E0Y52



Tgt Ion:	146	Resp:	10452
Ion Ratio	Lower	Upper	
146	100		
111	43.4	36.9	55.3
148	61.1	53.0	79.4

