

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056855.D
 Acq On : 14 Dec 2023 23:25
 Operator : MD/SY
 Sample : 05731-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EOY54

Quant Time: Dec 15 05:09:50 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)

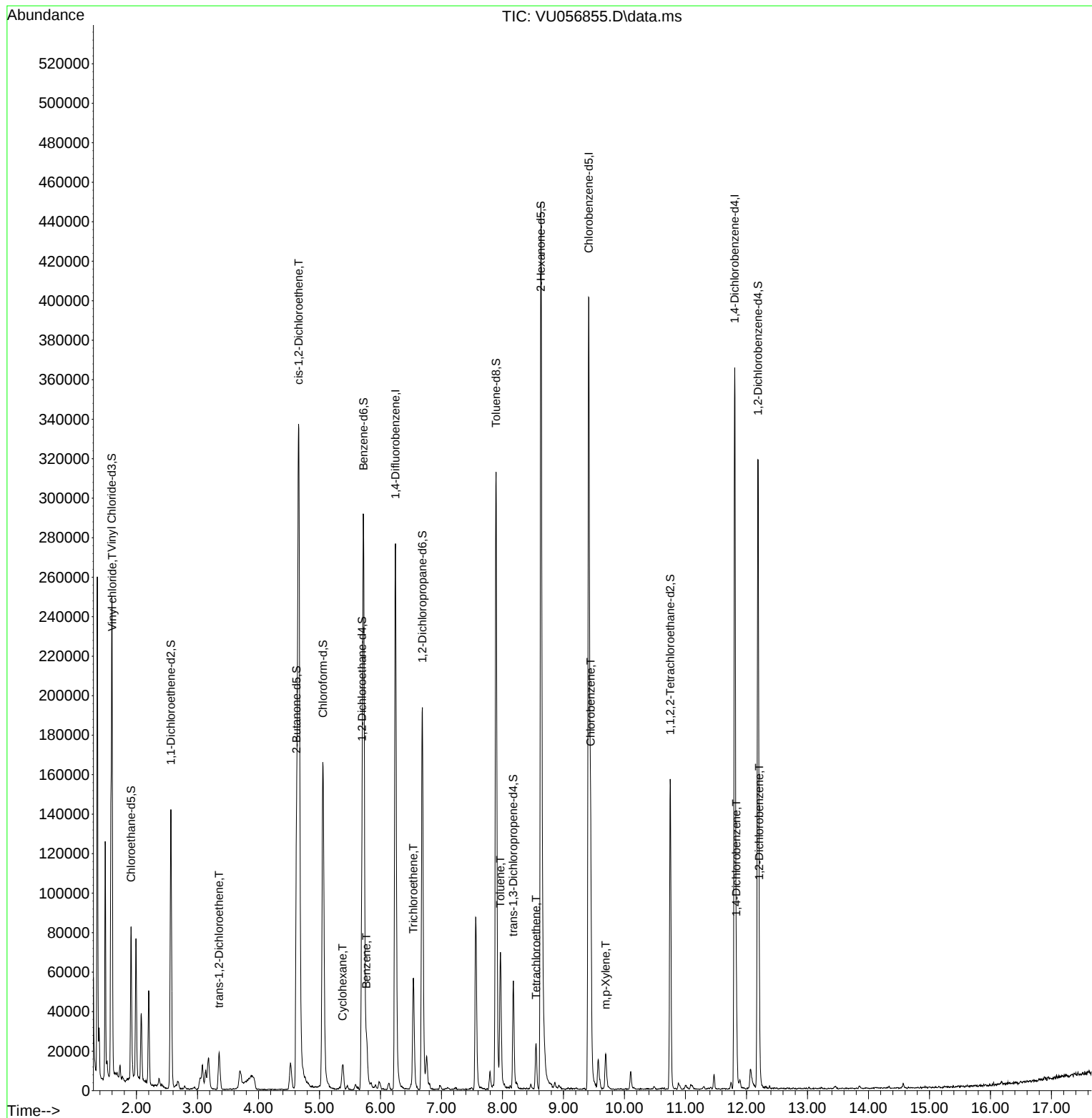
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	229081	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	229331	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	97016	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	58391	2.974	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.400%
7) Chloroethane-d5	1.911	69	56345	3.835	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.600%
11) 1,1-Dichloroethene-d2	2.563	65	27182	3.235	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.800%
20) 2-Butanone-d5	4.624	46	210825	54.367	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.740%
24) Chloroform-d	5.055	84	159901	4.300	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.000%
26) 1,2-Dichloroethane-d4	5.698	65	79719	4.531	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
32) Benzene-d6	5.721	84	279119	3.924	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.400%
36) 1,2-Dichloropropane-d6	6.685	67	93395	4.195	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.800%
41) Toluene-d8	7.894	98	217443	3.420	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.400%#
43) trans-1,3-Dichloroprop...	8.177	79	34427	3.987	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.800%
46) 2-Hexanone-d5	8.631	63	158581	48.698	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.400%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	79432	4.931	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	86565	4.539	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.800%
Target Compounds						
5) Vinyl chloride	1.602	62	5370	0.229	ug/L #	49
18) trans-1,2-Dichloroethene	3.354	96	4981	0.264	ug/L	79
22) cis-1,2-Dichloroethene	4.660	96	160090	7.804	ug/L	98
30) Cyclohexane	5.377	56	6103	0.196	ug/L #	94
33) Benzene	5.769	78	22260	0.276	ug/L	100
34) Trichloroethene	6.538	95	20970	0.948	ug/L	93
42) Toluene	7.965	91	53178	0.638	ug/L	99
47) Tetrachloroethene	8.550	164	4872	0.315	ug/L	90
51) Chlorobenzene	9.444	112	73430	1.382	ug/L	94
53) m,p-Xylene	9.692	106	5456	0.159	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	12755	0.357	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	8675	0.263	ug/L	97

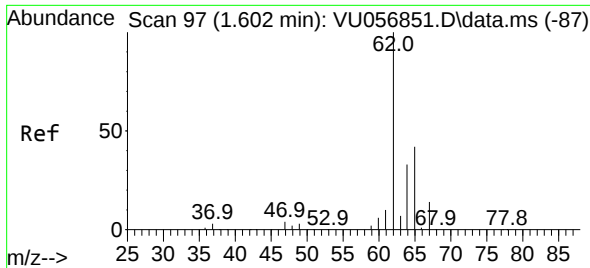
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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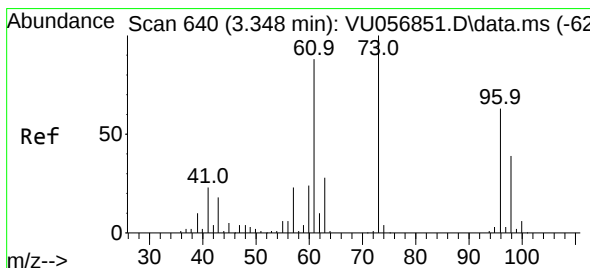
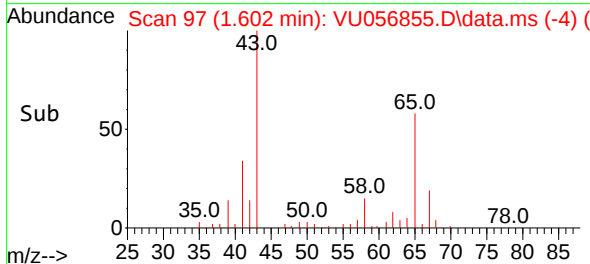
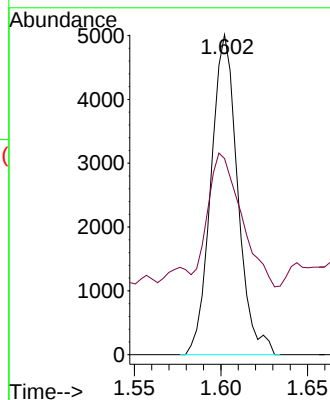
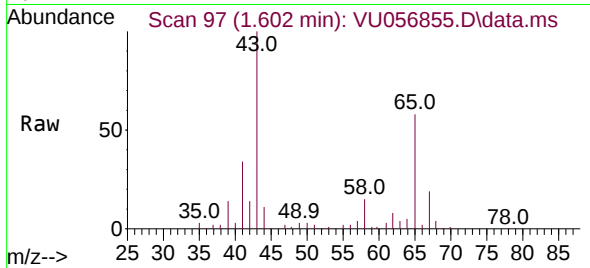




#5
 Vinyl chloride
 Concen: 0.229 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU056855.D
 Acq: 14 Dec 2023 23:25

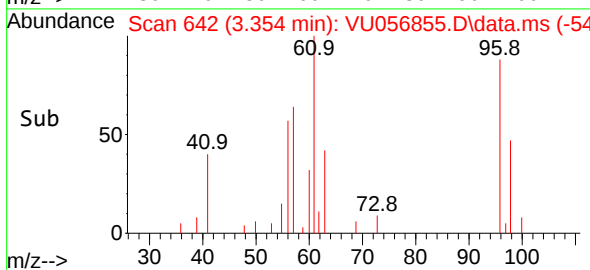
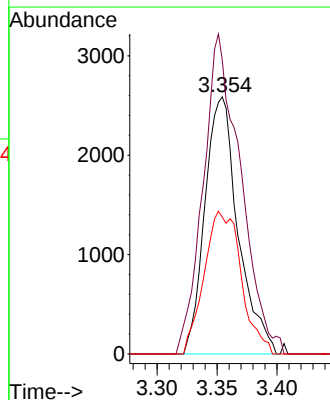
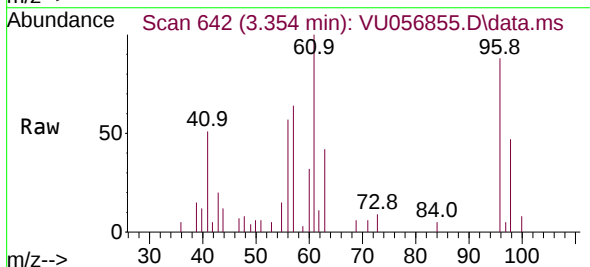
Instrument :
 MSVOA_U
 ClientSampleId :
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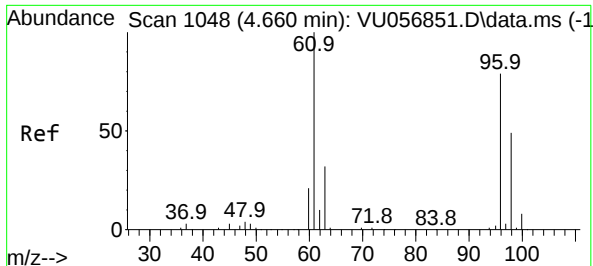
Tgt Ion: 62 Resp: 5370
 Ion Ratio Lower Upper
 62 100
 64 61.3 22.8 42.4#



#18
 trans-1,2-Dichloroethene
 Concen: 0.264 ug/L
 RT: 3.354 min Scan# 642
 Delta R.T. 0.006 min
 Lab File: VU056855.D
 Acq: 14 Dec 2023 23:25

Tgt Ion: 96 Resp: 4981
 Ion Ratio Lower Upper
 96 100
 61 114.3 101.8 189.0
 98 53.2 43.0 79.8

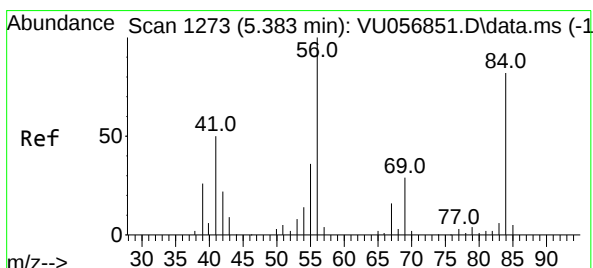
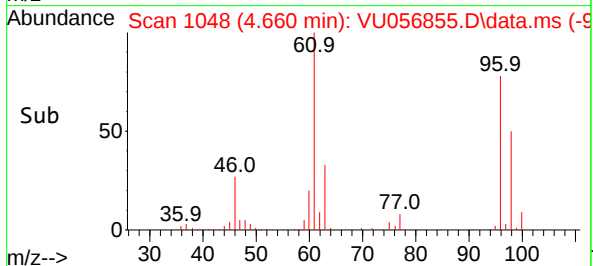
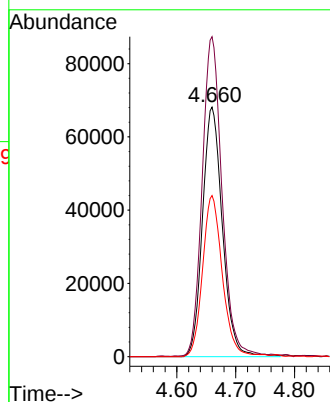
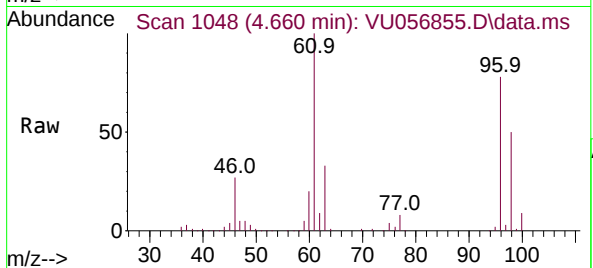




#22
 cis-1,2-Dichloroethene
 Concen: 7.804 ug/L
 RT: 4.660 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU056855.D
 Acq: 14 Dec 2023 23:25

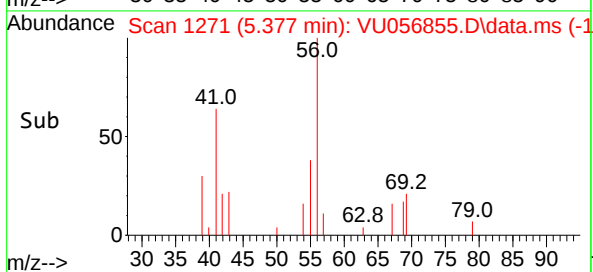
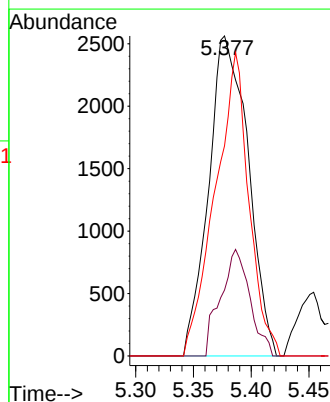
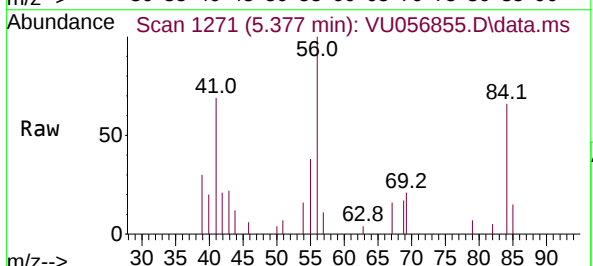
Instrument :
 MSVOA_U
 ClientSampleId :
 E0Y54

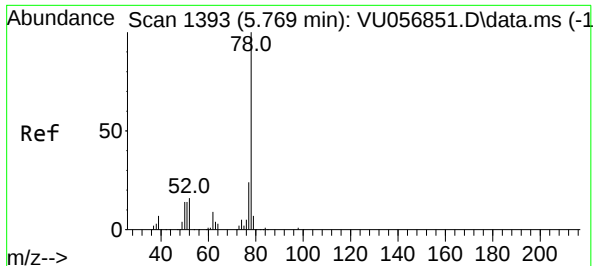
Tgt Ion: 96 Resp: 160090
 Ion Ratio Lower Upper
 96 100
 61 128.2 91.3 169.6
 98 64.6 44.2 82.0



#30
 Cyclohexane
 Concen: 0.196 ug/L
 RT: 5.377 min Scan# 1271
 Delta R.T. -0.006 min
 Lab File: VU056855.D
 Acq: 14 Dec 2023 23:25

Tgt Ion: 56 Resp: 6103
 Ion Ratio Lower Upper
 56 100
 69 24.6 24.9 37.3#
 84 80.6 67.6 101.4

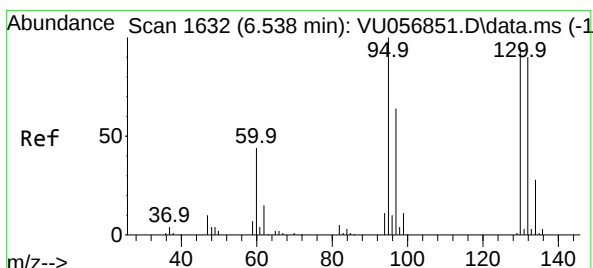
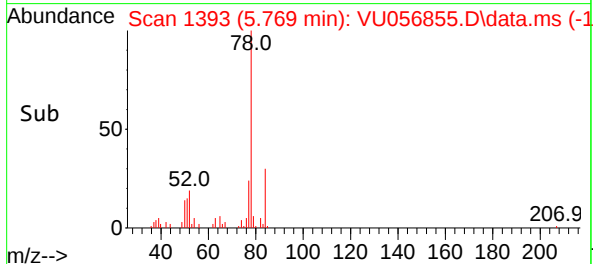
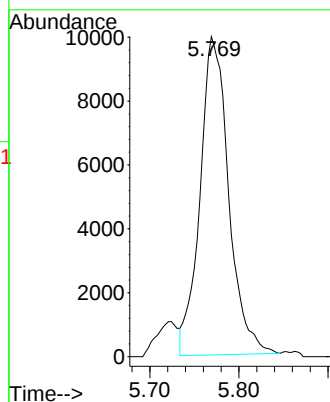
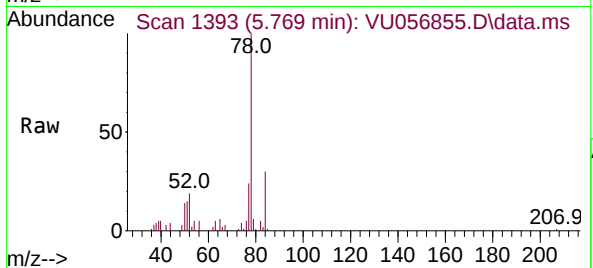




#33
Benzene
Concen: 0.276 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056855.D
Acq: 14 Dec 2023 23:25

Instrument :
MSVOA_U
ClientSampleId :
E0Y54

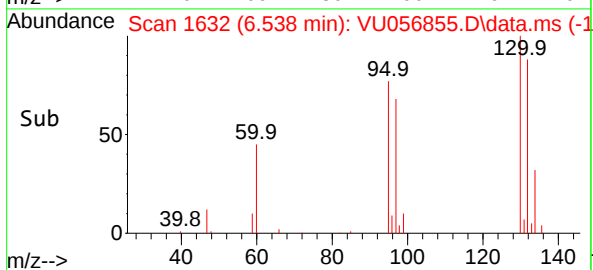
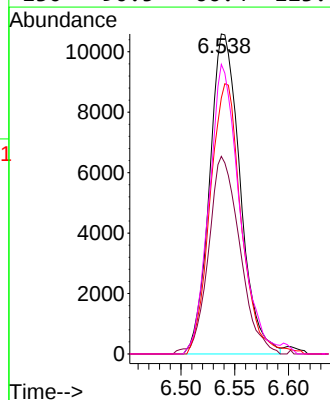
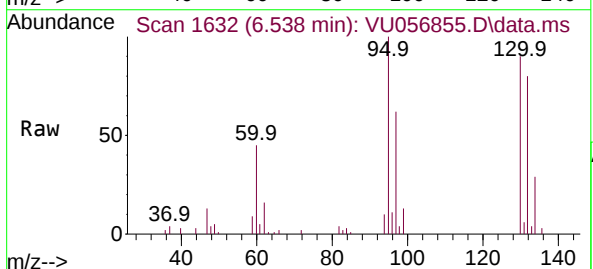
Tgt Ion: 78 Resp: 22260

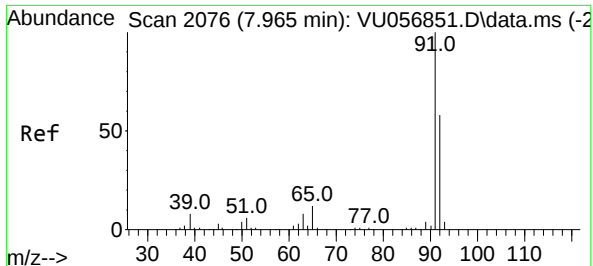


#34
Trichloroethene
Concen: 0.948 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU056855.D
Acq: 14 Dec 2023 23:25

Tgt Ion: 95 Resp: 20970

Ion	Ratio	Lower	Upper
95	100		
97	61.8	46.1	85.5
132	80.0	63.6	118.0
130	90.5	66.4	123.4





#42

Toluene

Concen: 0.638 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056855.D

Acq: 14 Dec 2023 23:25

Instrument :

MSVOA_U

ClientSampleId :

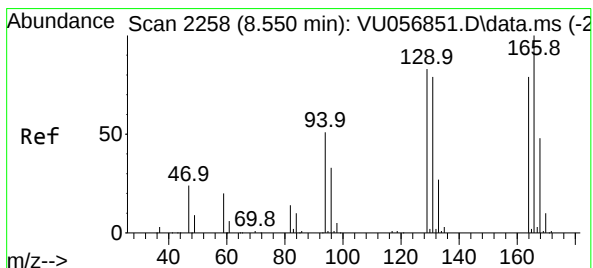
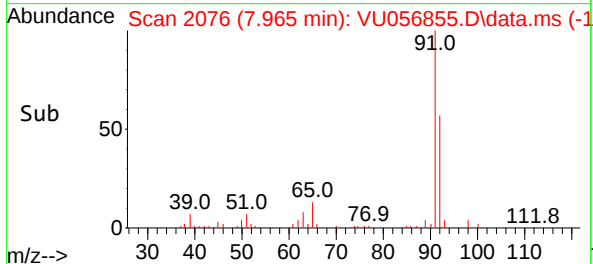
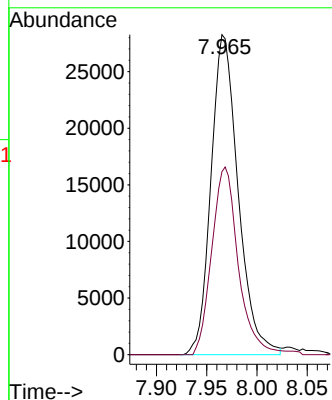
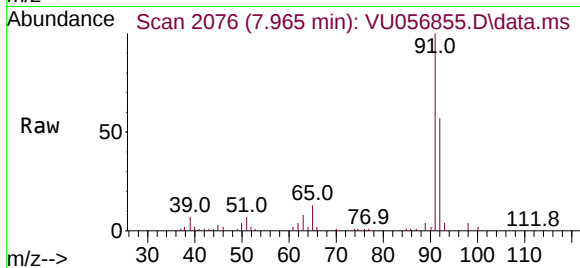
E0Y54

Tgt Ion: 91 Resp: 53178

Ion Ratio Lower Upper

91 100

92 57.2 40.4 75.0



#47

Tetrachloroethene

Concen: 0.315 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.000 min

Lab File: VU056855.D

Acq: 14 Dec 2023 23:25

Tgt Ion: 164 Resp: 4872

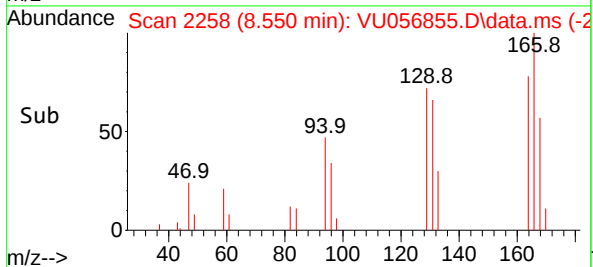
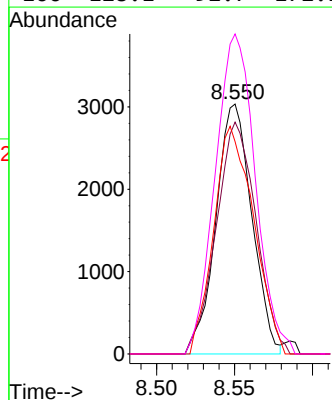
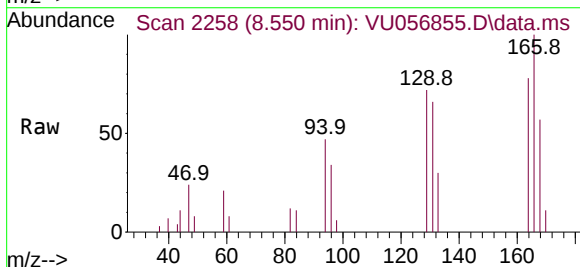
Ion Ratio Lower Upper

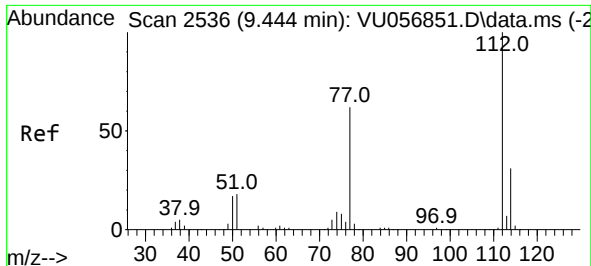
164 100

129 92.8 73.4 136.4

131 85.0 71.5 132.9

166 128.1 92.7 172.1

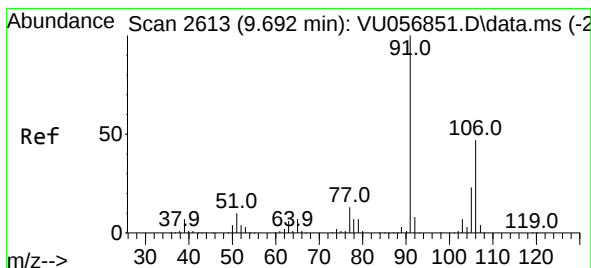
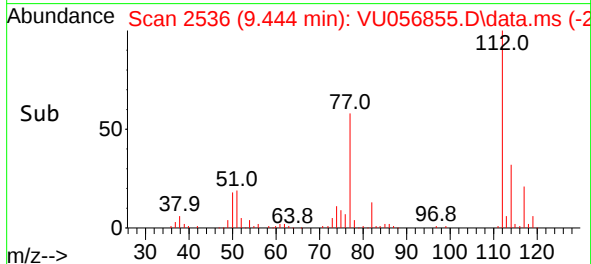
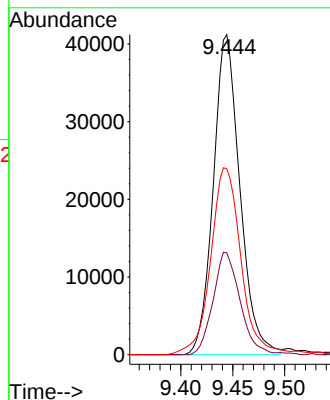
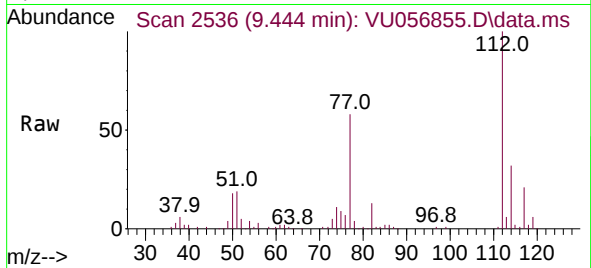




#51
Chlorobenzene
Concen: 1.382 ug/L
RT: 9.444 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056855.D
Acq: 14 Dec 2023 23:25

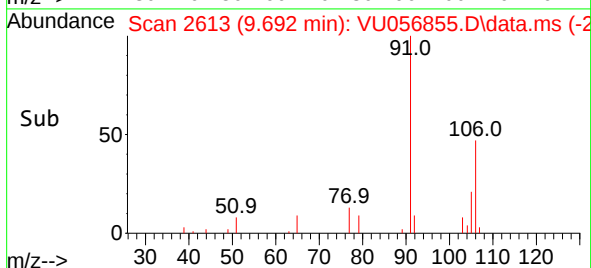
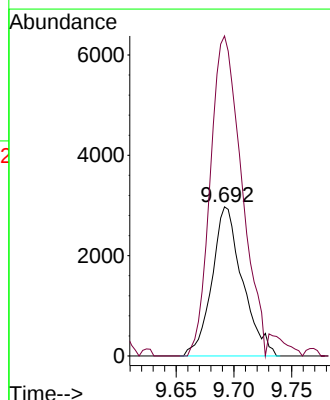
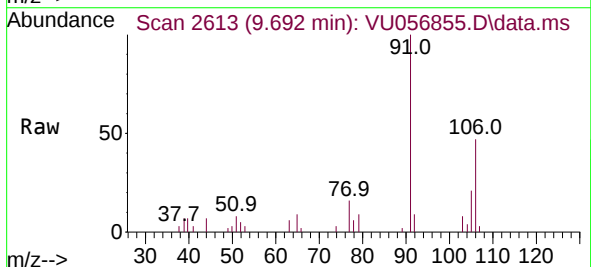
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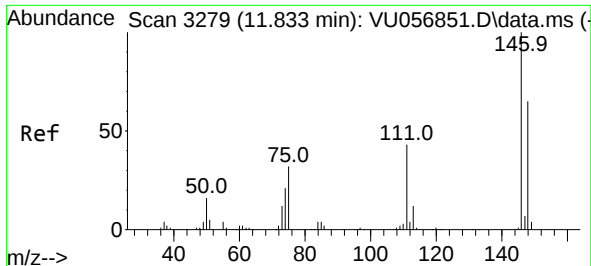
Tgt Ion:112 Resp: 73430
Ion Ratio Lower Upper
112 100
114 31.8 21.9 40.7
77 58.1 51.6 77.4



#53
m,p-Xylene
Concen: 0.159 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU056855.D
Acq: 14 Dec 2023 23:25

Tgt Ion:106 Resp: 5456
Ion Ratio Lower Upper
106 100
91 214.6 154.0 286.0

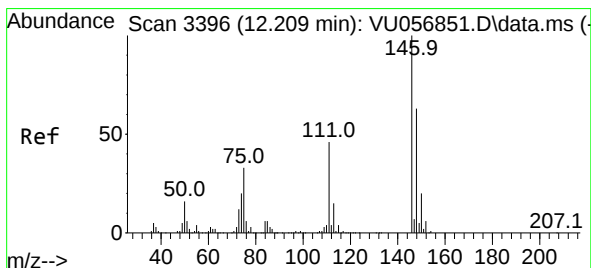
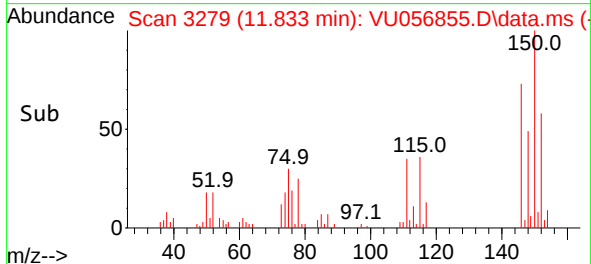
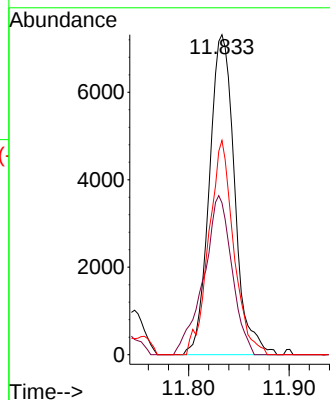
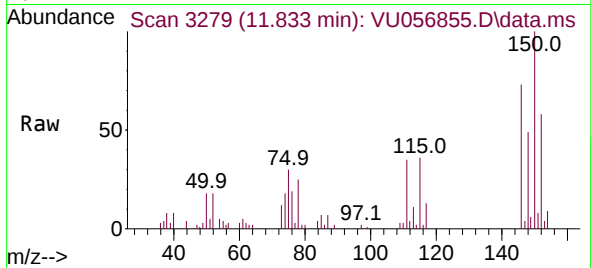




#65
1,4-Dichlorobenzene
Concen: 0.357 ug/L
RT: 11.833 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056855.D
Acq: 14 Dec 2023 23:25

Instrument :
MSVOA_U
ClientSampleId :
E0Y54

Tgt Ion:146 Resp: 12755
Ion Ratio Lower Upper
146 100
111 47.4 31.2 58.0
148 67.0 45.6 84.8



#67
1,2-Dichlorobenzene
Concen: 0.263 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU056855.D
Acq: 14 Dec 2023 23:25

Tgt Ion:146 Resp: 8675
Ion Ratio Lower Upper
146 100
111 48.4 36.9 55.3
148 63.8 53.0 79.4

