

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056788.D
 Acq On : 12 Dec 2023 16:08
 Operator : MD/SY
 Sample : 05664-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EOY30

Quant Time: Dec 13 00:33:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 00:30:00 2023
 Response via : Initial Calibration

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

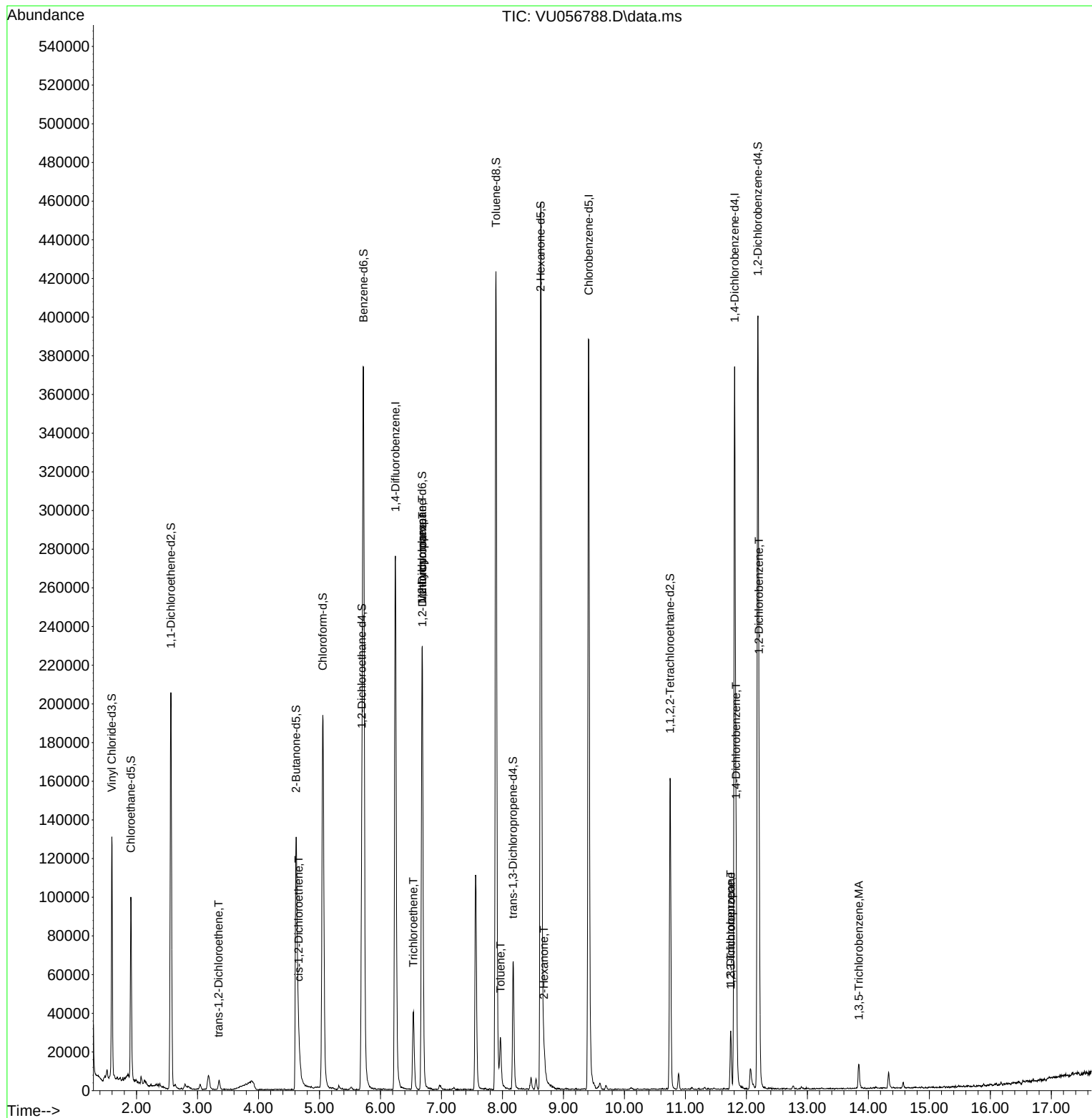
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	230618	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	234442	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	96626	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	89132	4.509	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.200%
7) Chloroethane-d5	1.907	69	71862	4.858	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.563	65	39536	4.675	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.400%
20) 2-Butanone-d5	4.618	46	203801	52.205	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.420%
24) Chloroform-d	5.055	84	185741	4.962	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
26) 1,2-Dichloroethane-d4	5.695	65	92969	5.248	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.000%
32) Benzene-d6	5.721	84	358641	4.932	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	6.682	67	114737	5.041	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.894	98	299224	4.604	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
43) trans-1,3-Dichloroprop...	8.174	79	41953	4.753	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.000%
46) 2-Hexanone-d5	8.627	63	161221	48.429	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.860%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	83222	5.054	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	99669	5.247	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.000%
Target Compounds						
18) trans-1,2-Dichloroethene	3.348	96	2120	0.112	ug/L #	68
22) cis-1,2-Dichloroethene	4.660	96	3683	0.178	ug/L	90
34) Trichloroethene	6.541	95	14011	0.620	ug/L	94
35) Methylcyclohexane	6.682	83	27160	0.814	ug/L #	18
37) 1,2-Dichloropropane	6.689	63	12550	0.595	ug/L #	88
42) Toluene	7.968	91	19844	0.233	ug/L	99
48) 2-Hexanone	8.682	43	5231	0.734	ug/L #	53
61) 1,2,3-Trichloropropane	11.746	75	4080	0.393	ug/L #	44
64) 1,3-Dichlorobenzene	11.743	146	13010	0.360	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	39498	1.111	ug/L	95
67) 1,2-Dichlorobenzene	12.206	146	41204	1.252	ug/L	95
69) 1,3,5-Trichlorobenzene	13.846	180	4896	0.179	ug/L	93

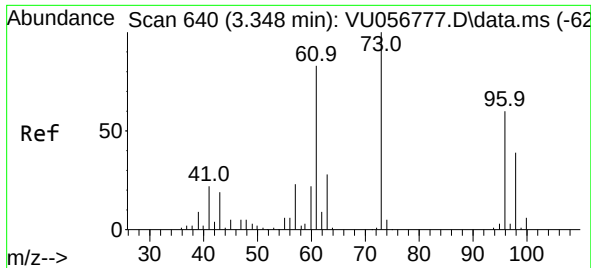
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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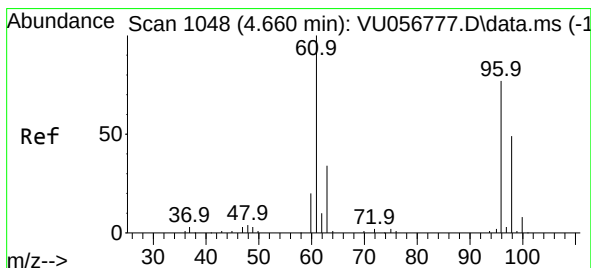
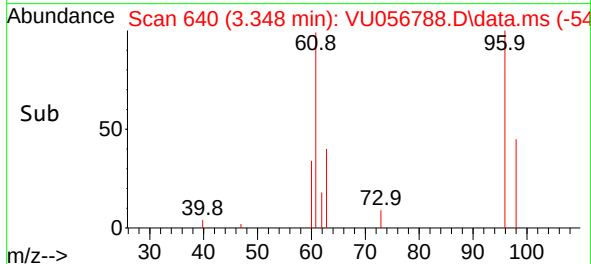
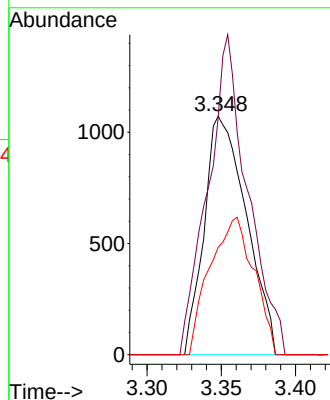
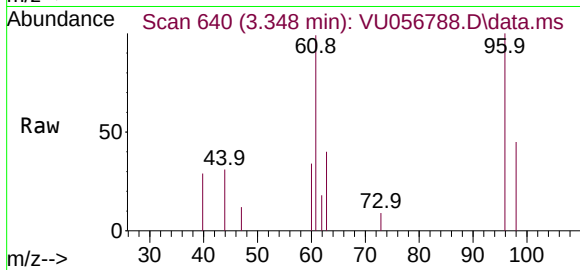




#18
trans-1,2-Dichloroethene
Concen: 0.112 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU056788.D
Acq: 12 Dec 2023 16:08

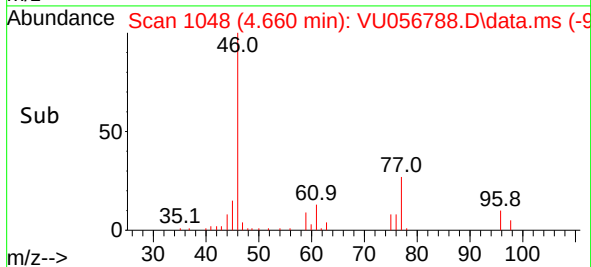
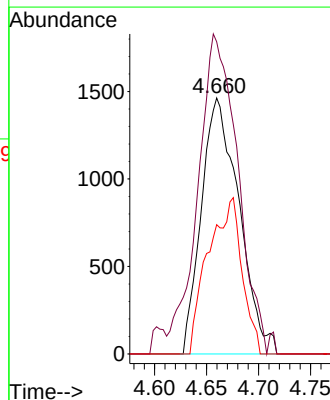
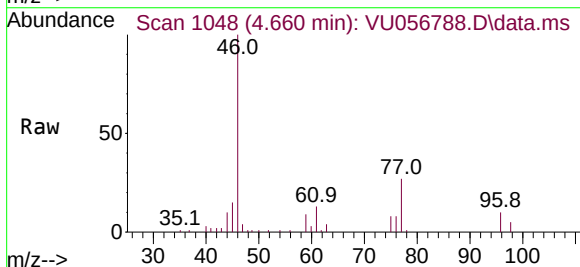
Instrument :
MSVOA_U
ClientSampleId :
E0Y30

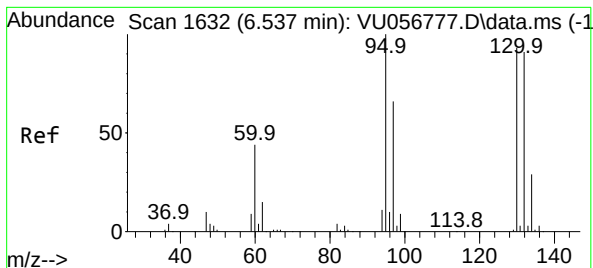
Tgt Ion: 96 Resp: 2120
Ion Ratio Lower Upper
96 100
61 99.3 101.8 189.0#
98 45.1 43.0 79.8



#22
cis-1,2-Dichloroethene
Concen: 0.178 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU056788.D
Acq: 12 Dec 2023 16:08

Tgt Ion: 96 Resp: 3683
Ion Ratio Lower Upper
96 100
61 121.9 91.3 169.6
98 50.5 44.2 82.0





#34

Trichloroethene

Concen: 0.620 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU056788.D

Acq: 12 Dec 2023 16:08

Instrument :

MSVOA_U

ClientSampleId :

E0Y30

Tgt Ion: 95 Resp: 14011

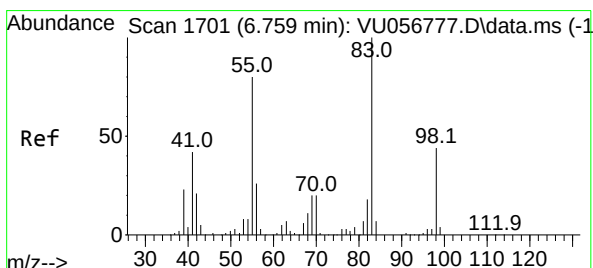
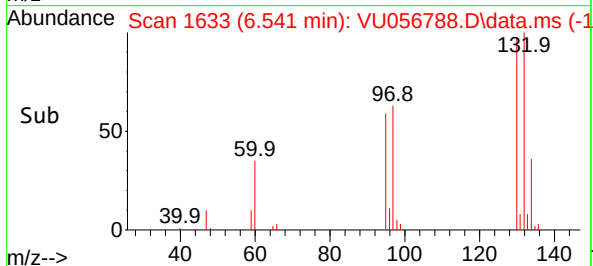
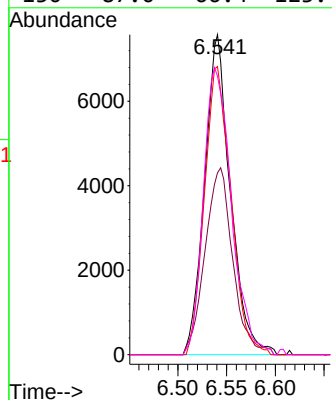
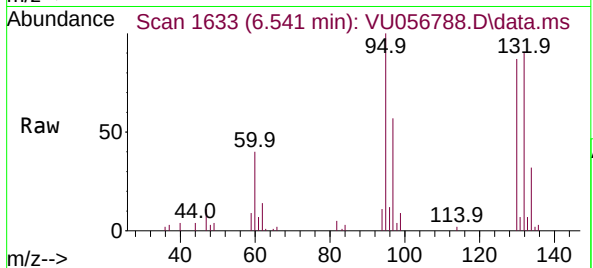
Ion Ratio Lower Upper

95 100

97 56.8 46.1 85.5

132 90.0 63.6 118.0

130 87.0 66.4 123.4



#35

Methylcyclohexane

Concen: 0.814 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.077 min

Lab File: VU056788.D

Acq: 12 Dec 2023 16:08

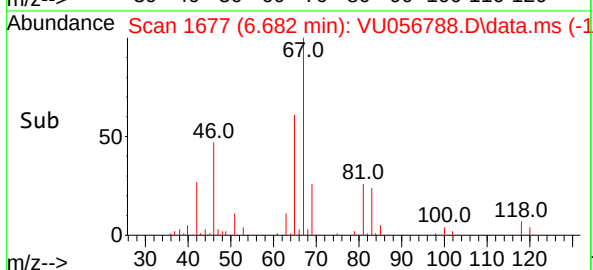
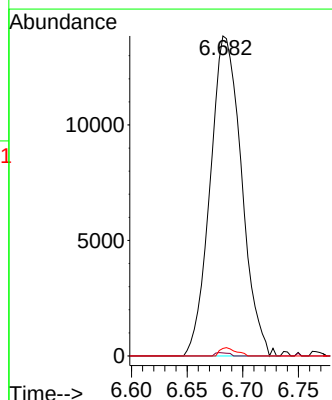
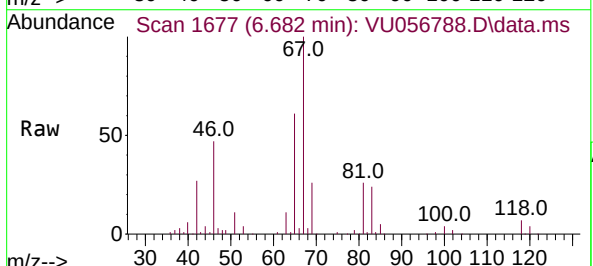
Tgt Ion: 83 Resp: 27160

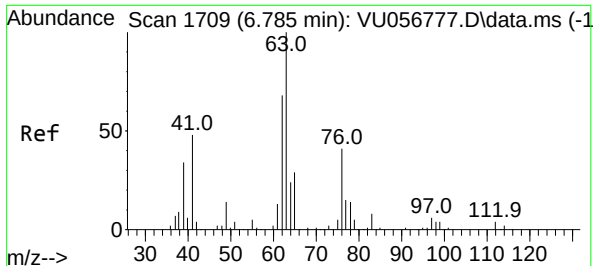
Ion Ratio Lower Upper

83 100

55 0.4 64.6 97.0#

98 1.3 36.1 54.1#

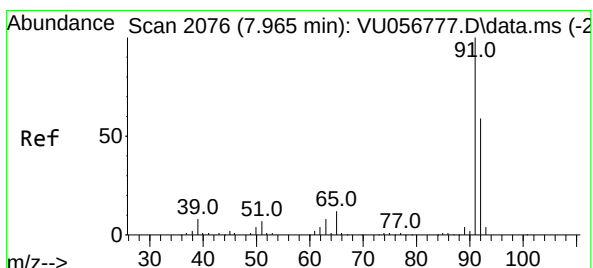
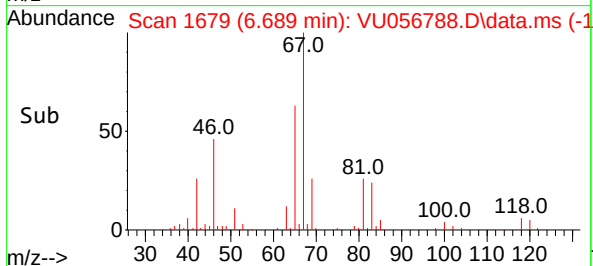
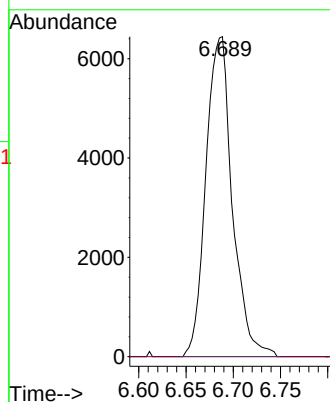
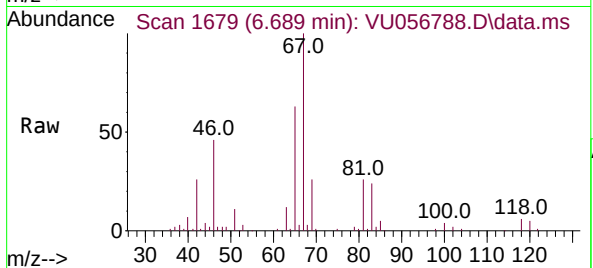




#37
1,2-Dichloropropane
Concen: 0.595 ug/L
RT: 6.689 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU056788.D
Acq: 12 Dec 2023 16:08

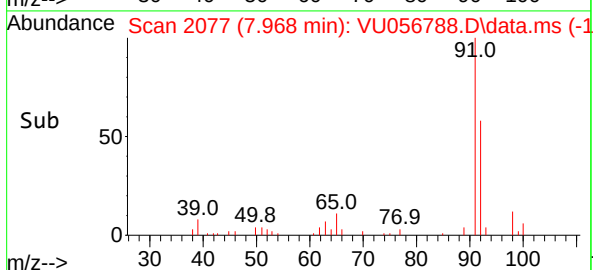
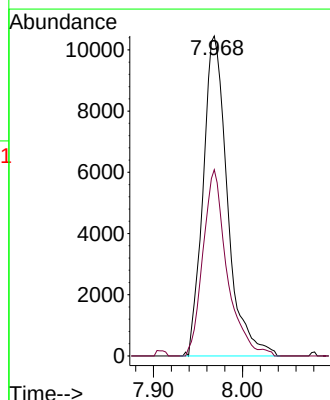
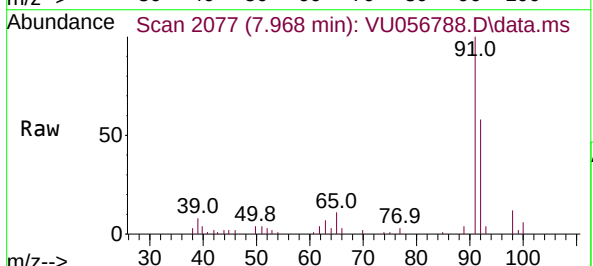
Instrument :
MSVOA_U
ClientSampleId :
E0Y30

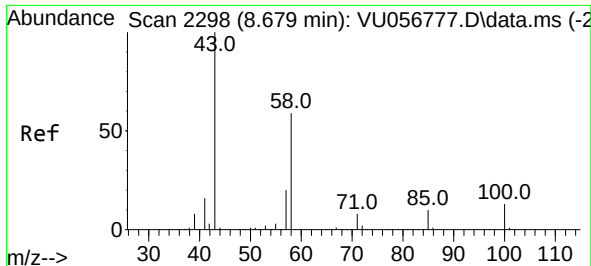
Tgt Ion: 63 Resp: 12550
Ion Ratio Lower Upper
63 100
112 0.2 3.3 4.9#



#42
Toluene
Concen: 0.233 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VU056788.D
Acq: 12 Dec 2023 16:08

Tgt Ion: 91 Resp: 19844
Ion Ratio Lower Upper
91 100
92 58.2 40.4 75.0

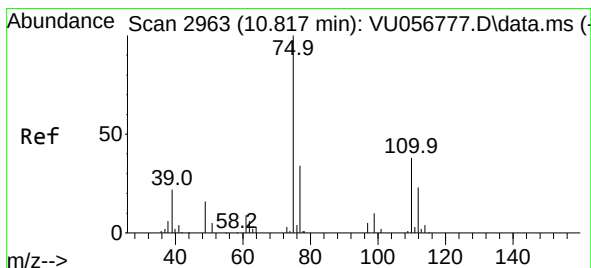
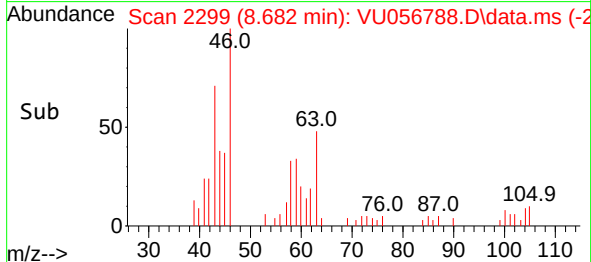
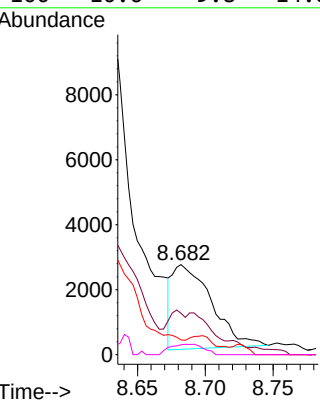
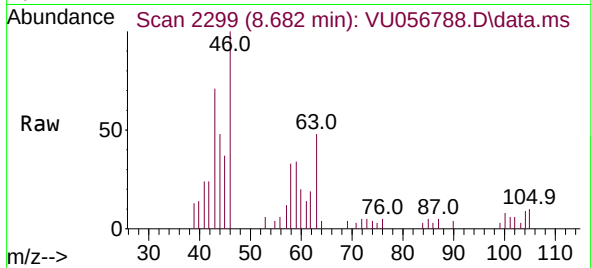




#48
2-Hexanone
Concen: 0.734 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056788.D
Acq: 12 Dec 2023 16:08

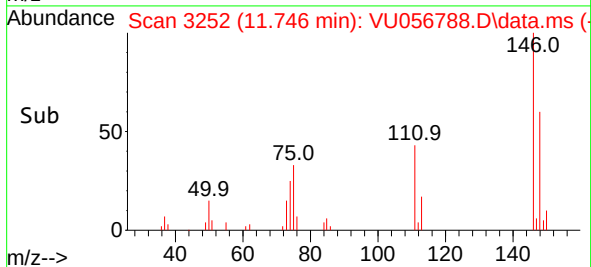
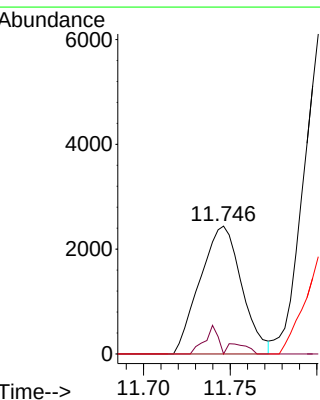
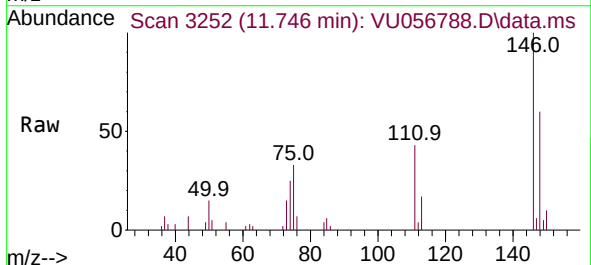
Instrument :
MSVOA_U
ClientSampleId :
E0Y30

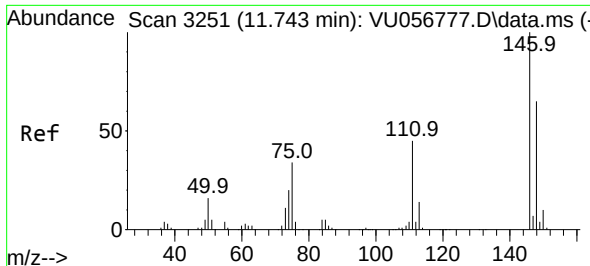
Tgt Ion:	43	Resp:	5231
Ion	Ratio	Lower	Upper
43	100		
58	8.1	47.5	71.3#
57	15.2	17.0	25.4#
100	10.6	9.8	14.8



#61
1,2,3-Trichloropropane
Concen: 0.393 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.929 min
Lab File: VU056788.D
Acq: 12 Dec 2023 16:08

Tgt Ion:	75	Resp:	4080
Ion	Ratio	Lower	Upper
75	100		
110	3.8	28.4	42.6#
77	0.0	26.3	39.5#

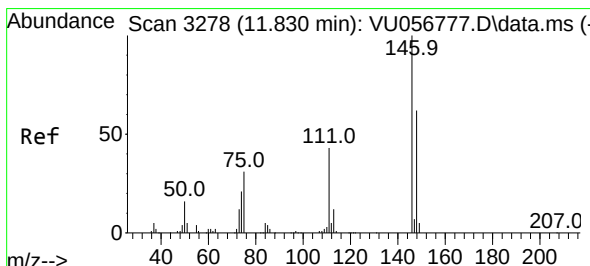
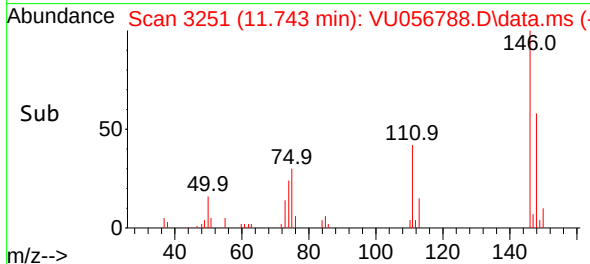
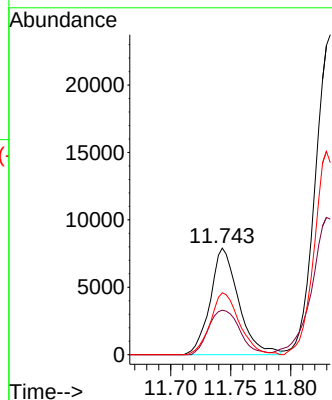
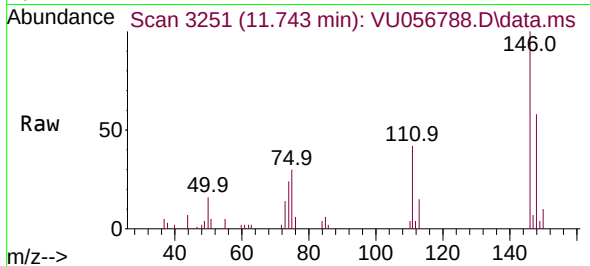




#64
1,3-Dichlorobenzene
Concen: 0.360 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056788.D
Acq: 12 Dec 2023 16:08

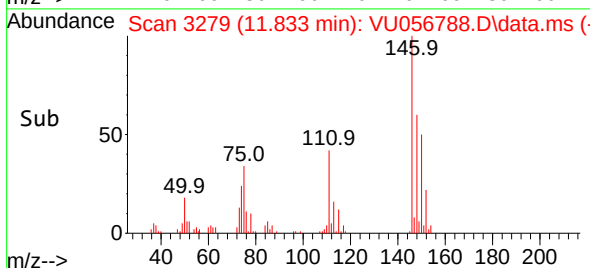
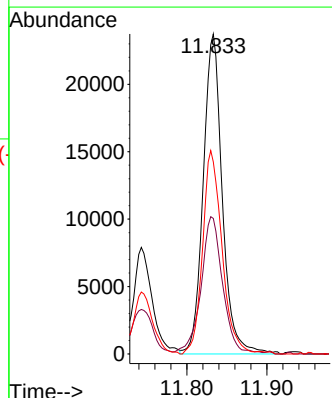
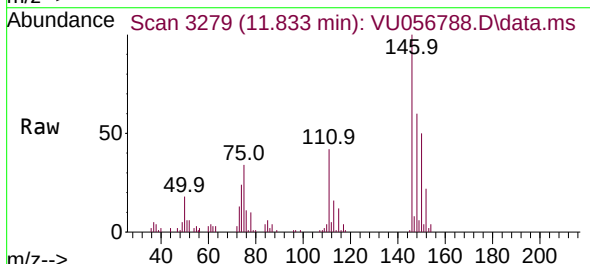
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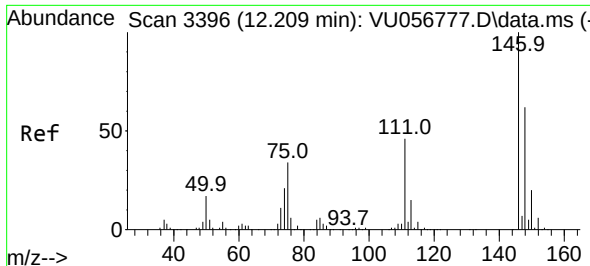
Tgt Ion:146 Resp: 13010
Ion Ratio Lower Upper
146 100
111 41.7 31.7 58.9
148 58.0 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 1.111 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU056788.D
Acq: 12 Dec 2023 16:08

Tgt Ion:146 Resp: 39498
Ion Ratio Lower Upper
146 100
111 42.3 31.2 58.0
148 60.0 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 1.252 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056788.D

Acq: 12 Dec 2023 16:08

Instrument :

MSVOA_U

ClientSampleId :

E0Y30

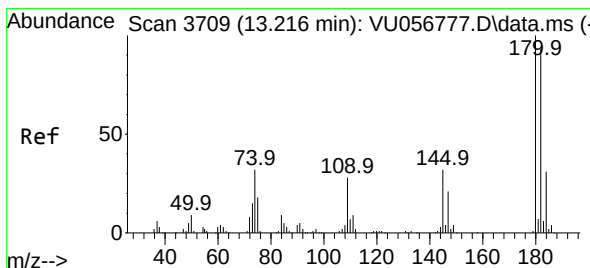
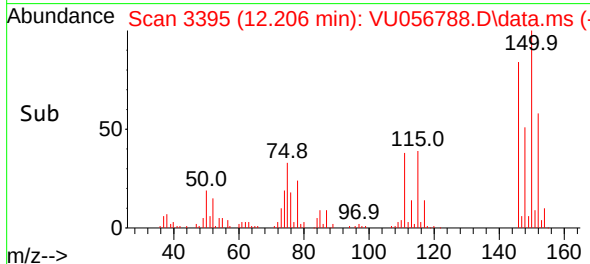
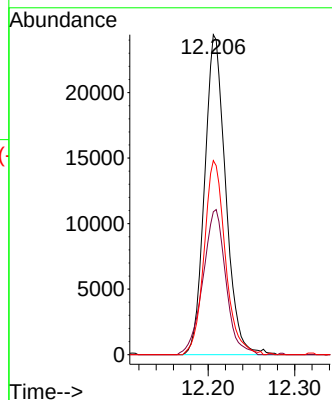
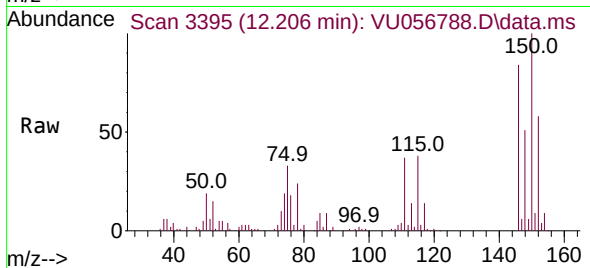
Tgt Ion:146 Resp: 41204

Ion Ratio Lower Upper

146 100

111 44.6 36.9 55.3

148 60.6 53.0 79.4



#69

1,3,5-Trichlorobenzene

Concen: 0.179 ug/L

RT: 13.846 min Scan# 3905

Delta R.T. 0.630 min

Lab File: VU056788.D

Acq: 12 Dec 2023 16:08

Tgt Ion:180 Resp: 4896

Ion Ratio Lower Upper

180 100

182 88.3 76.2 114.4

184 27.1 24.6 37.0

145 28.8 26.7 40.1

