

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070324\
 Data File : VU059770.D
 Acq On : 03 Jul 2024 04:19
 Operator : MD/SY
 Sample : P3121-02DL 400X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 03 05:14:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 03 04:07:12 2024
 Response via : Initial Calibration

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

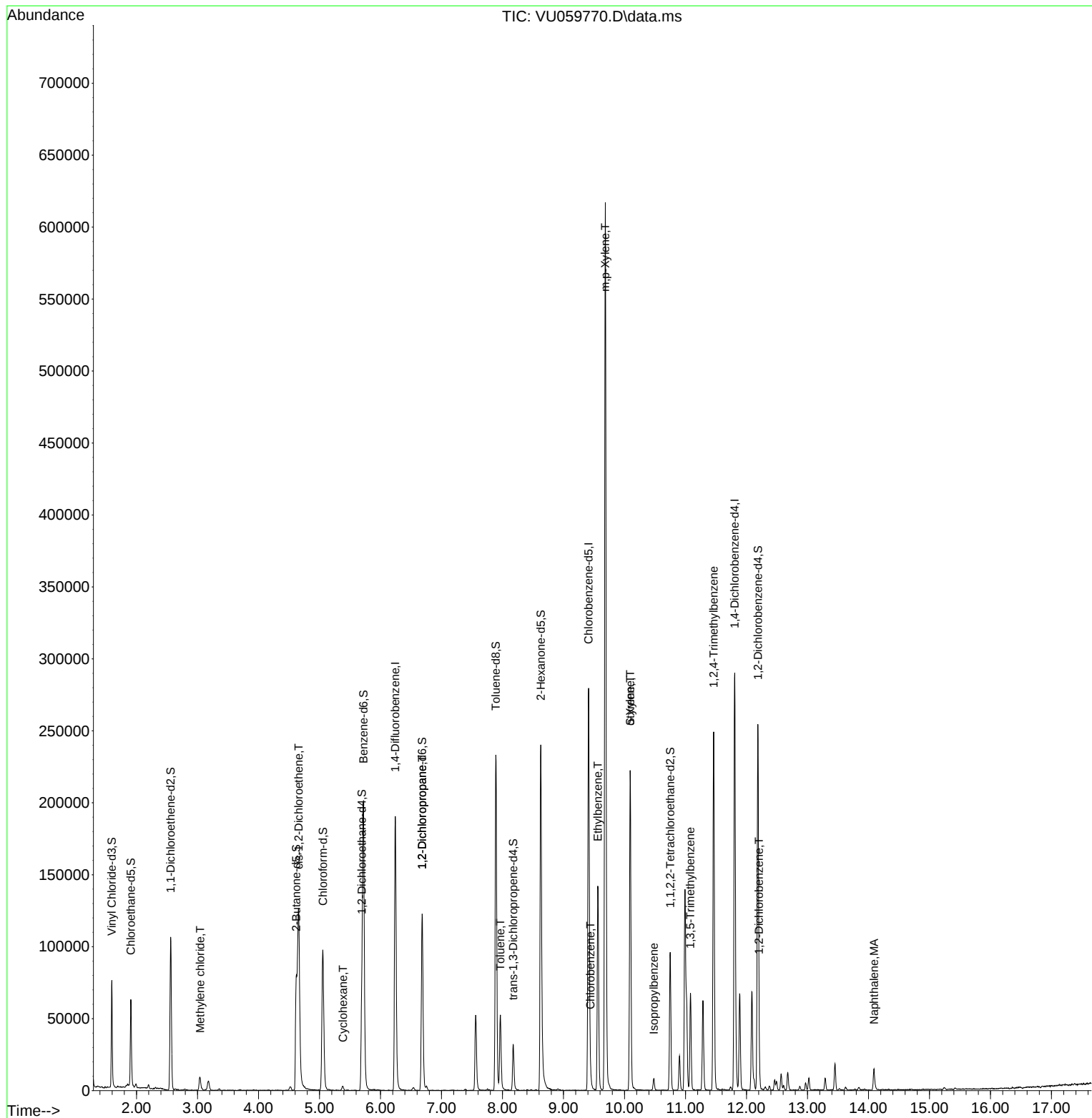
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	165047	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	165697	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	81303	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	53269	4.642	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.800%
7) Chloroethane-d5	1.907	69	47125	4.268	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.400%
11) 1,1-Dichloroethene-d2	2.560	65	20040	4.209	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.200%
20) 2-Butanone-d5	4.618	46	107160	45.330	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.660%
24) Chloroform-d	5.055	84	93885	3.986	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.800%
26) 1,2-Dichloroethane-d4	5.695	65	47756	4.209	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
32) Benzene-d6	5.721	84	195594	4.289	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
36) 1,2-Dichloropropane-d6	6.682	67	61612	4.409	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.200%
41) Toluene-d8	7.891	98	165777	3.910	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.200%
43) trans-1,3-Dichloroprop...	8.174	79	19425	4.439	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.800%
46) 2-Hexanone-d5	8.627	63	87295	48.015	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.020%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	50907	4.409	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	67357	4.655	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						Qvalue
16) Methylene chloride	3.042	84	4892	0.353	ug/L	86
22) cis-1,2-Dichloroethene	4.660	96	64715	4.823	ug/L	94
30) Cyclohexane	5.386	56	1411	0.084	ug/L	88
37) 1,2-Dichloropropane	6.682	63	6527	0.501	ug/L #	90
42) Toluene	7.965	91	41635	0.782	ug/L	98
51) Chlorobenzene	9.441	112	5348	0.158	ug/L	92
52) Ethylbenzene	9.563	91	101910	1.865	ug/L	98
53) m,p-Xylene	9.685	106	180900	8.619	ug/L	97
54) o-Xylene	10.094	106	62083	3.117	ug/L	98
55) Styrene	10.094	104	4495	0.133	ug/L #	1
60) Isopropylbenzene	10.483	105	5613	0.112	ug/L #	54
62) 1,3,5-Trimethylbenzene	11.081	105	37252	0.936	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	141131	3.710	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	3729	0.155	ug/L	95
71) Naphthalene	14.090	128	15133	0.729	ug/L	98

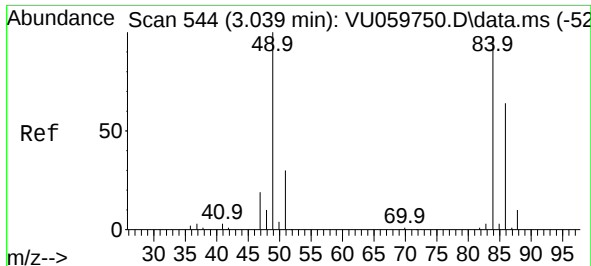
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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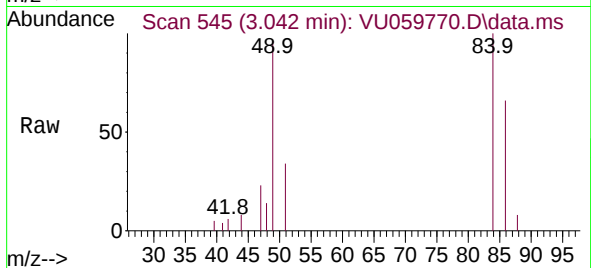
Quant Time: Jul 03 05:14:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
Quant Title : TRACE VOA SFAM1.0
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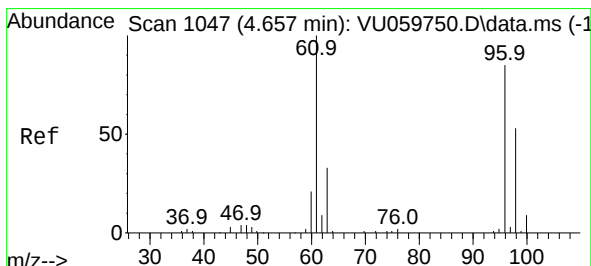
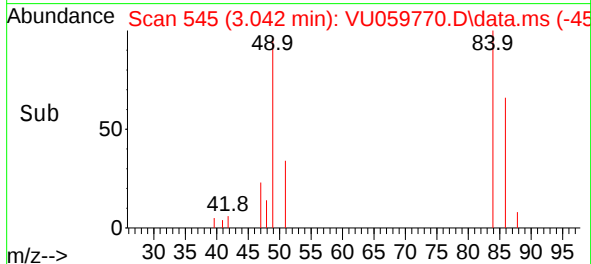
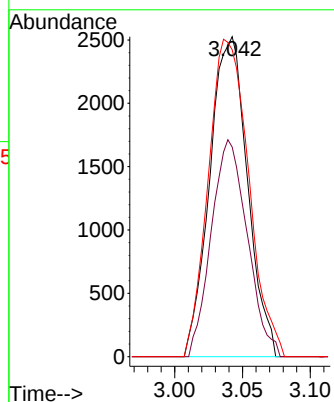


#16
Methylene chloride
Concen: 0.353 ug/L
RT: 3.042 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU059770.D
Acq: 03 Jul 2024 04:19

Instrument :
MSVOA_U
ClientSampleId :

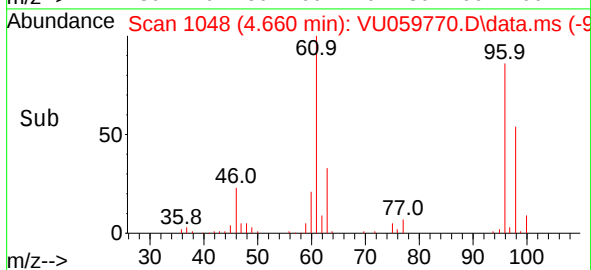
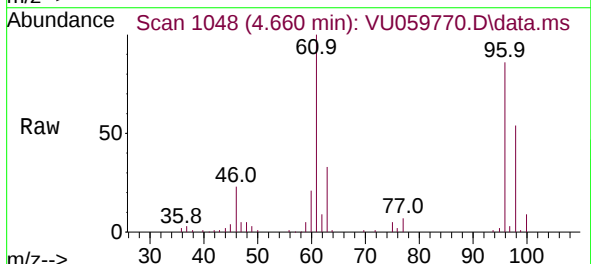
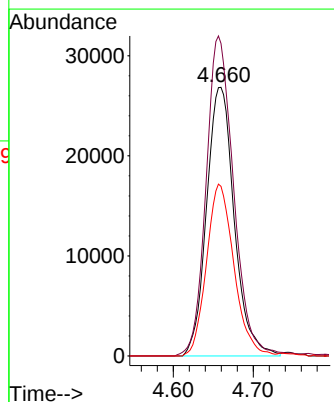


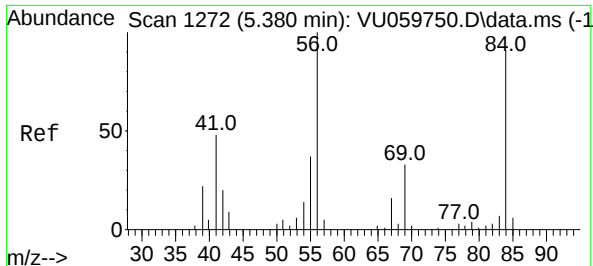
Tgt Ion: 84 Resp: 4892
Ion Ratio Lower Upper
84 100
86 65.5 42.1 78.1
49 95.9 80.6 149.8



#22
cis-1,2-Dichloroethene
Concen: 4.823 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU059770.D
Acq: 03 Jul 2024 04:19

Tgt Ion: 96 Resp: 64715
Ion Ratio Lower Upper
96 100
61 116.3 87.4 162.2
98 63.1 42.3 78.5





#30

Cyclohexane

Concen: 0.084 ug/L

RT: 5.386 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VU059770.D

Acq: 03 Jul 2024 04:19

Instrument :

MSVOA_U

ClientSampleId :

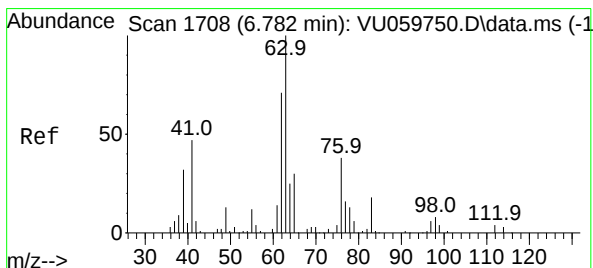
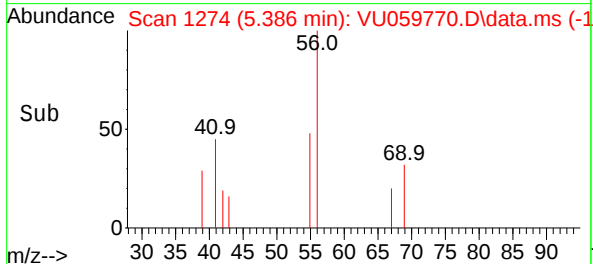
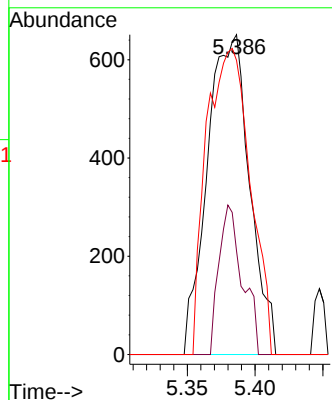
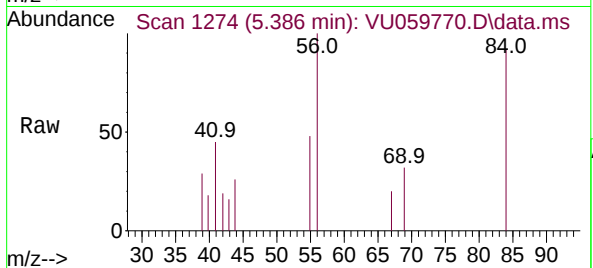
Tgt Ion: 56 Resp: 1411

Ion Ratio Lower Upper

56 100

69 25.9 24.8 37.2

84 98.9 69.8 104.8



#37

1,2-Dichloropropane

Concen: 0.501 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.100 min

Lab File: VU059770.D

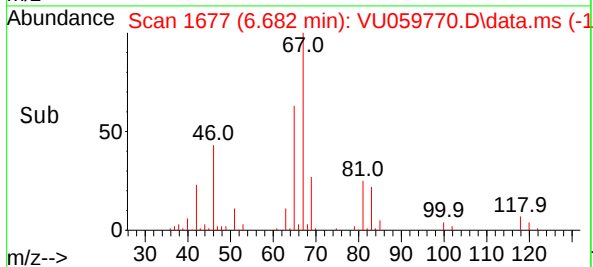
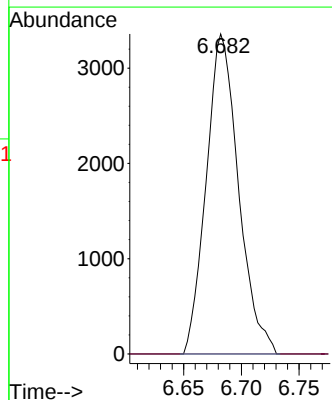
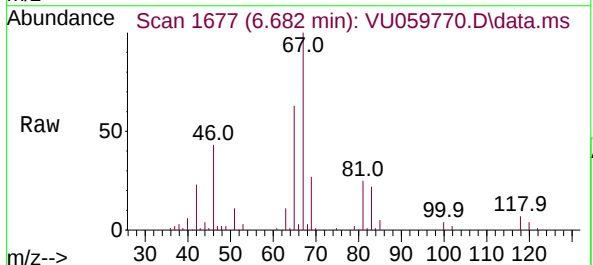
Acq: 03 Jul 2024 04:19

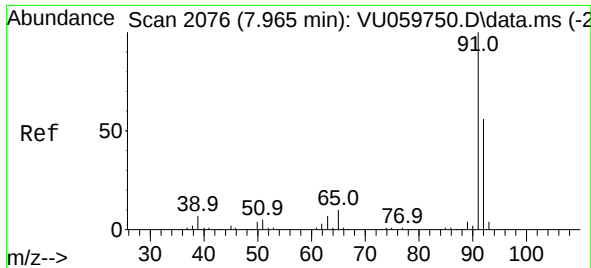
Tgt Ion: 63 Resp: 6527

Ion Ratio Lower Upper

63 100

112 0.0 2.6 3.8#





#42

Toluene

Concen: 0.782 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU059770.D

Acq: 03 Jul 2024 04:19

Instrument :

MSVOA_U

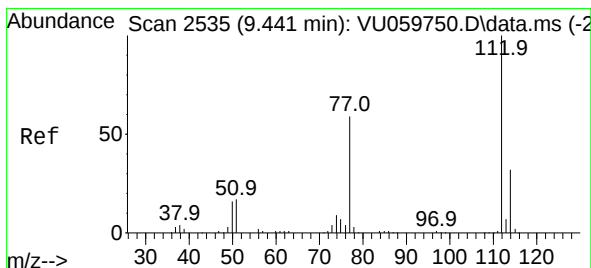
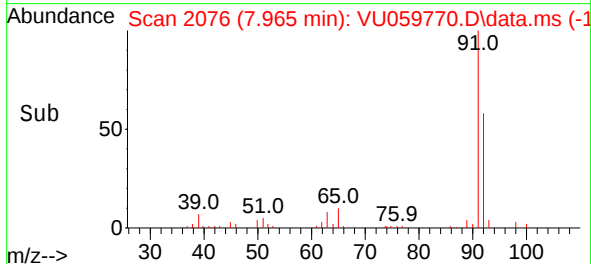
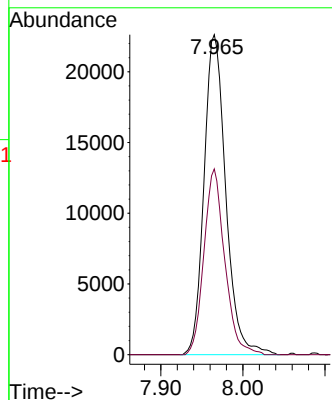
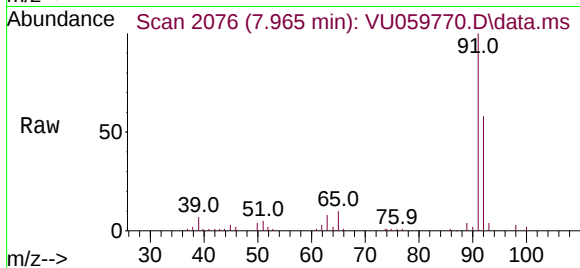
ClientSampleId :

Tgt Ion: 91 Resp: 41635

Ion Ratio Lower Upper

91 100

92 58.1 39.7 73.7



#51

Chlorobenzene

Concen: 0.158 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU059770.D

Acq: 03 Jul 2024 04:19

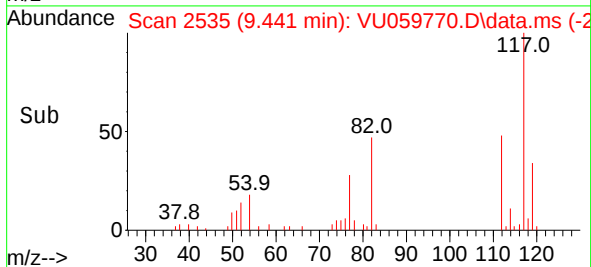
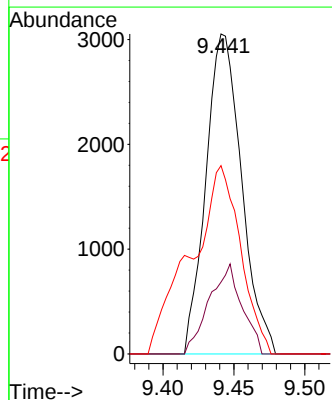
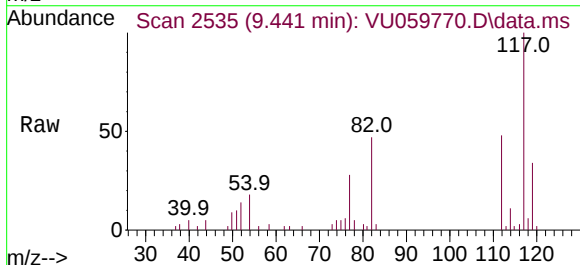
Tgt Ion: 112 Resp: 5348

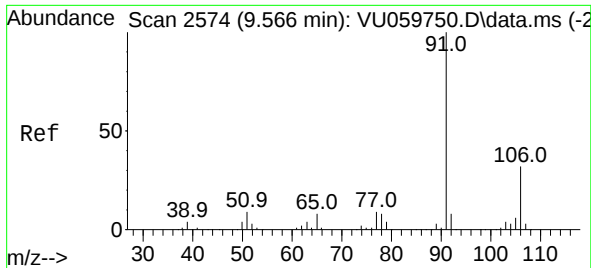
Ion Ratio Lower Upper

112 100

114 22.4 22.4 41.6

77 58.8 49.1 73.7





#52

Ethylbenzene

Concen: 1.865 ug/L

RT: 9.563 min Scan# 2574

Delta R.T. -0.003 min

Lab File: VU059770.D

Acq: 03 Jul 2024 04:19

Instrument :

MSVOA_U

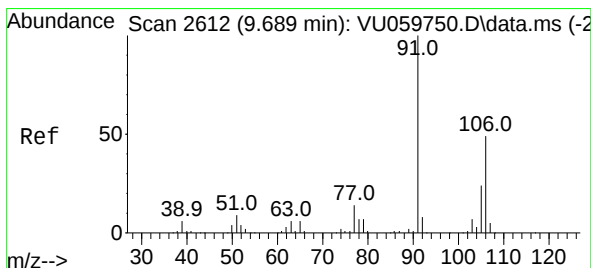
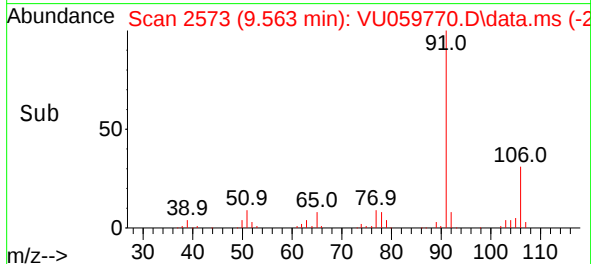
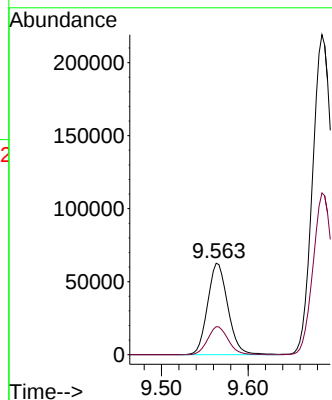
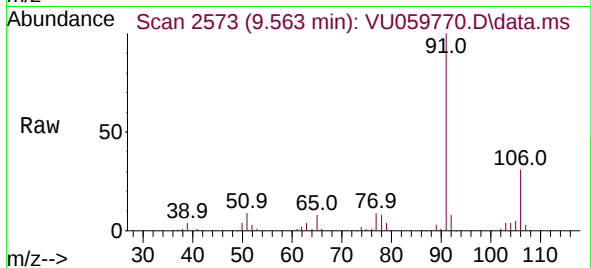
ClientSampleId :

Tgt Ion: 91 Resp: 101910

Ion Ratio Lower Upper

91 100

106 30.6 20.9 38.7



#53

m,p-Xylene

Concen: 8.619 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. -0.003 min

Lab File: VU059770.D

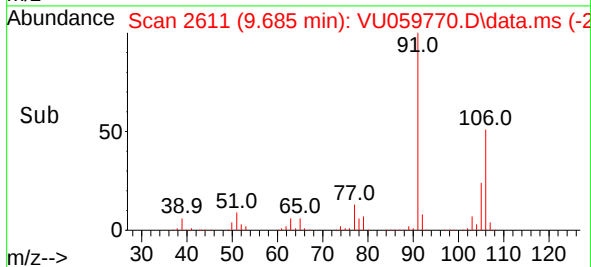
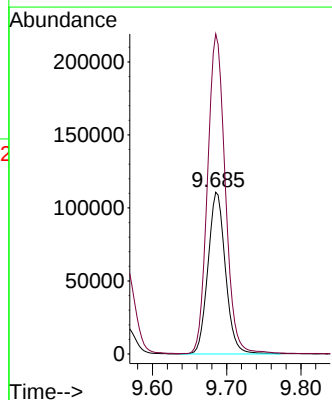
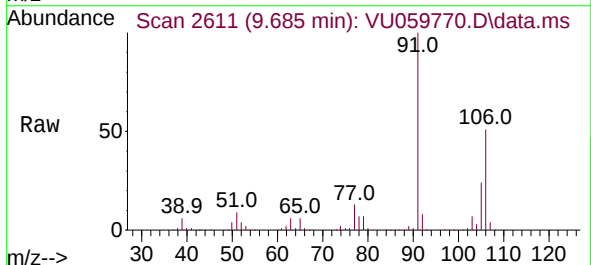
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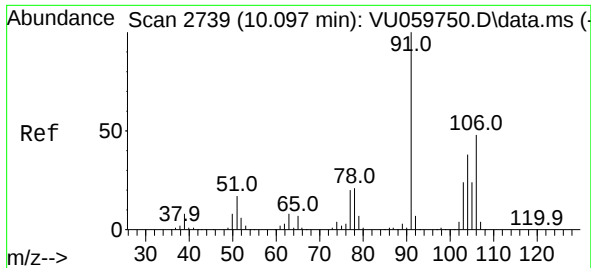
Tgt Ion:106 Resp: 180900

Ion Ratio Lower Upper

106 100

91 197.9 142.0 263.8

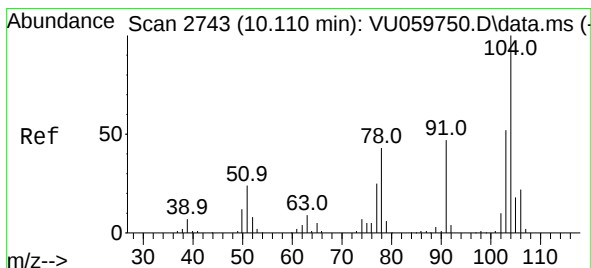
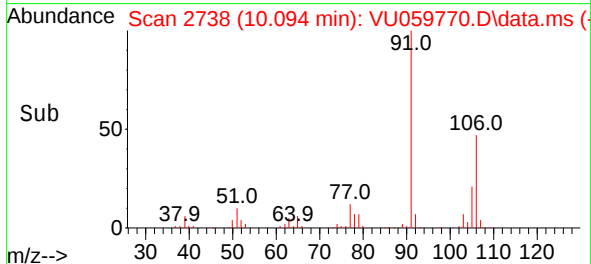
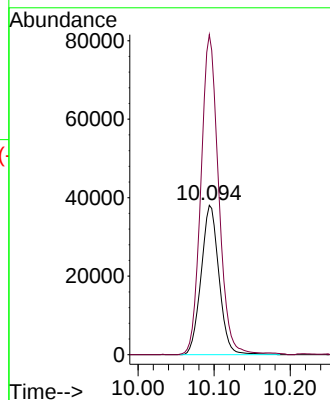
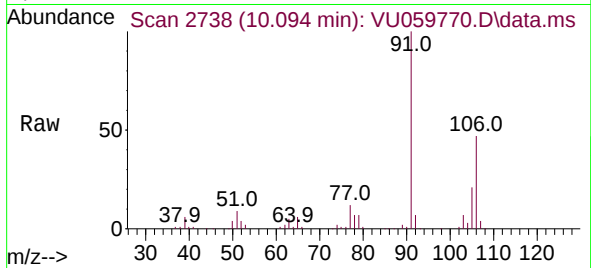




#54
o-Xylene
Concen: 3.117 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.003 min
Lab File: VU059770.D
Acq: 03 Jul 2024 04:19

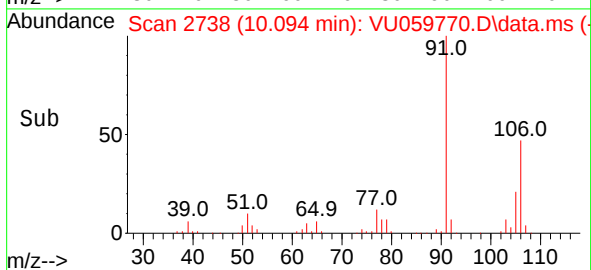
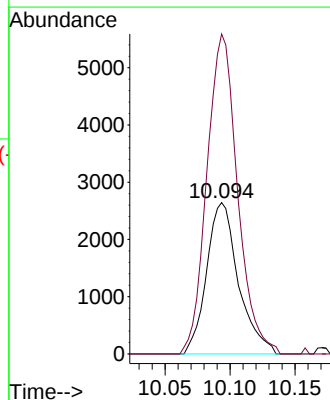
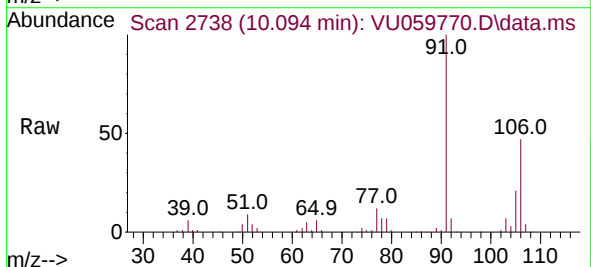
Instrument :
MSVOA_U
ClientSampleId :

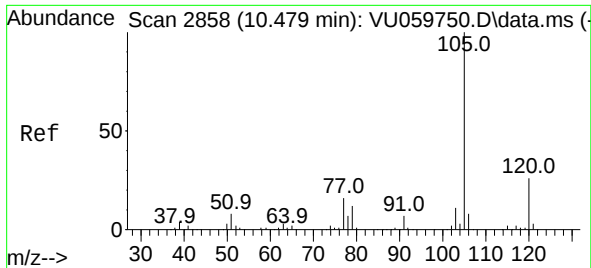
Tgt Ion:106 Resp: 62083
Ion Ratio Lower Upper
106 100
91 214.1 151.6 281.6



#55
Styrene
Concen: 0.133 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.016 min
Lab File: VU059770.D
Acq: 03 Jul 2024 04:19

Tgt Ion:104 Resp: 4495
Ion Ratio Lower Upper
104 100
78 211.4 32.3 60.1#

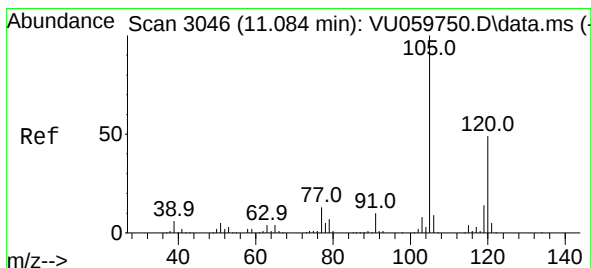
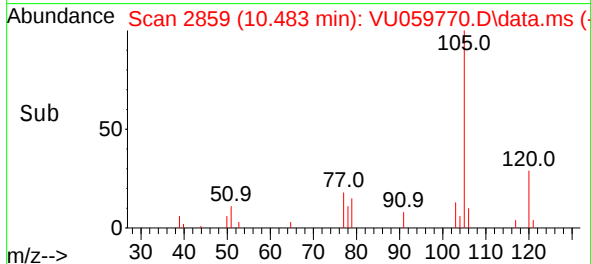
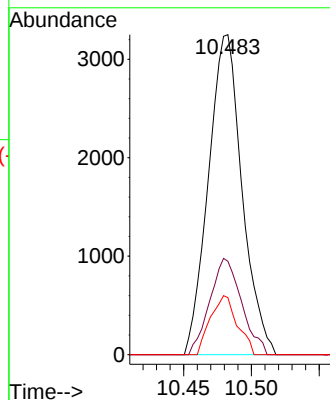
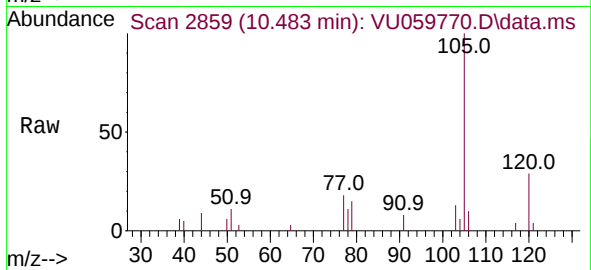




#60
Isopropylbenzene
Concen: 0.112 ug/L
RT: 10.483 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU059770.D
Acq: 03 Jul 2024 04:19

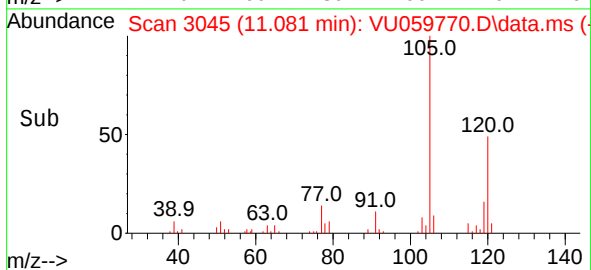
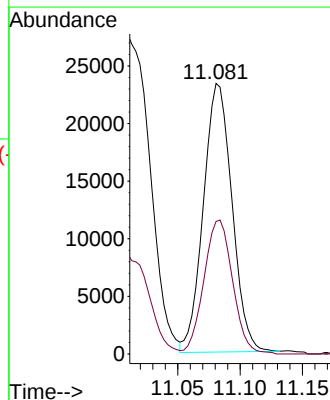
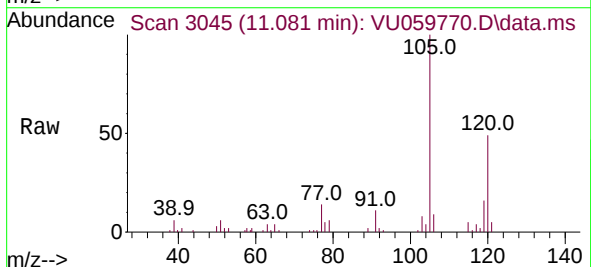
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MSVOA_U
ClientSampleId :

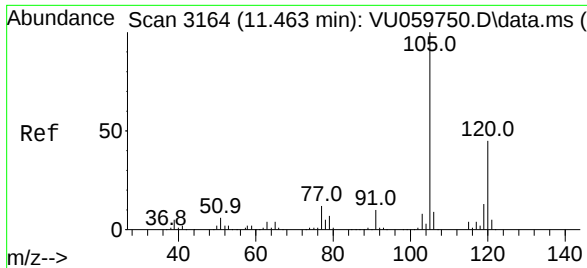
Tgt Ion:105 Resp: 5613
Ion Ratio Lower Upper
105 100
120 0.0 20.6 31.0#
77 0.0 12.8 19.2#



#62
1,3,5-Trimethylbenzene
Concen: 0.936 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.003 min
Lab File: VU059770.D
Acq: 03 Jul 2024 04:19

Tgt Ion:105 Resp: 37252
Ion Ratio Lower Upper
105 100
120 50.0 38.2 57.4





#63

1,2,4-Trimethylbenzene

Concen: 3.710 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU059770.D

Acq: 03 Jul 2024 04:19

Instrument :

MSVOA_U

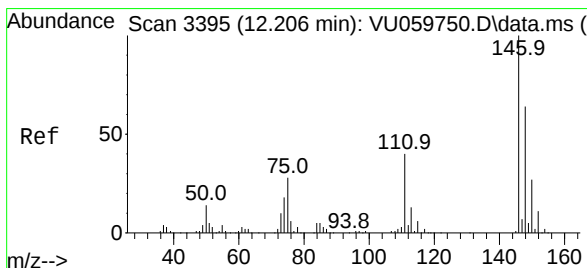
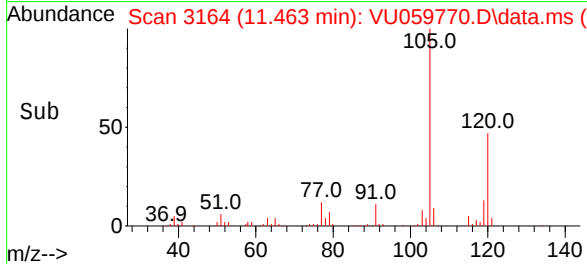
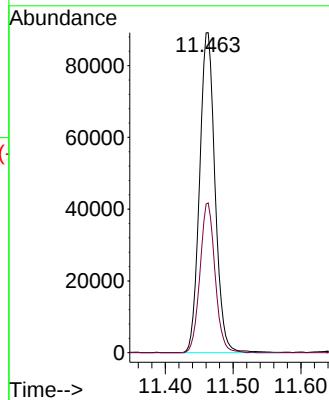
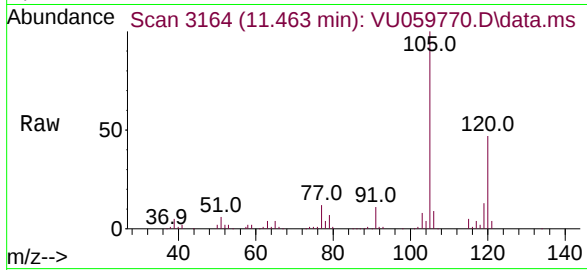
ClientSampleId :

Tgt Ion:105 Resp: 141131

Ion Ratio Lower Upper

105 100

120 45.6 35.4 53.0



#67

1,2-Dichlorobenzene

Concen: 0.155 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU059770.D

Acq: 03 Jul 2024 04:19

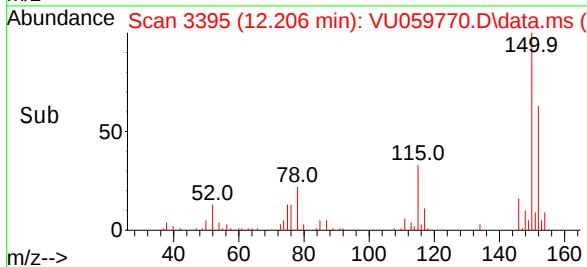
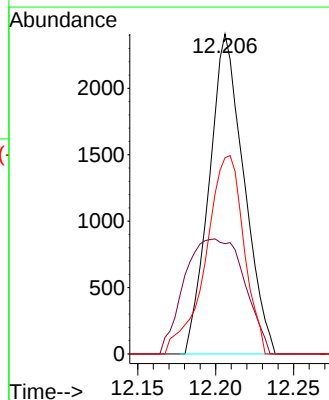
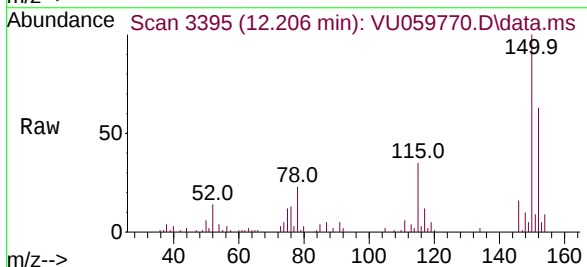
Tgt Ion:146 Resp: 3729

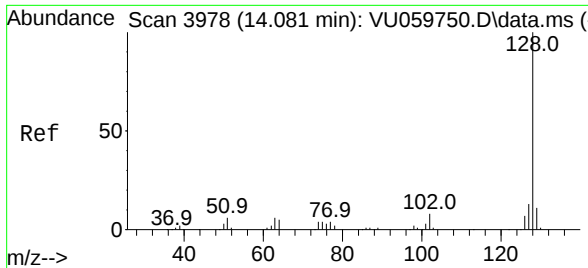
Ion Ratio Lower Upper

146 100

111 34.5 33.4 50.0

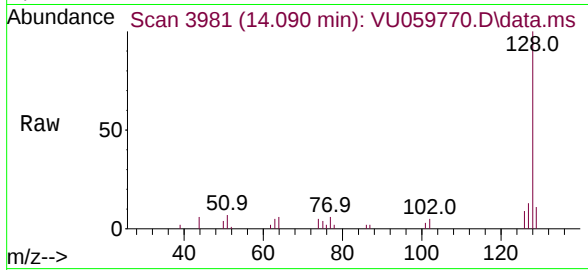
148 61.3 49.7 74.5





#71
 Naphthalene
 Concen: 0.729 ug/L
 RT: 14.090 min Scan# 3981
 Delta R.T. 0.010 min
 Lab File: VU059770.D
 Acq: 03 Jul 2024 04:19

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	128	Resp:	15133
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.2	12.4
127	12.0	10.2	15.4

