

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070824\
 Data File : VU059877.D
 Acq On : 08 Jul 2024 12:44
 Operator : MD/SY
 Sample : P3137-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZG7

Quant Time: Jul 09 05:20:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jul 09 02:28:04 2024
 Response via : Initial Calibration

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

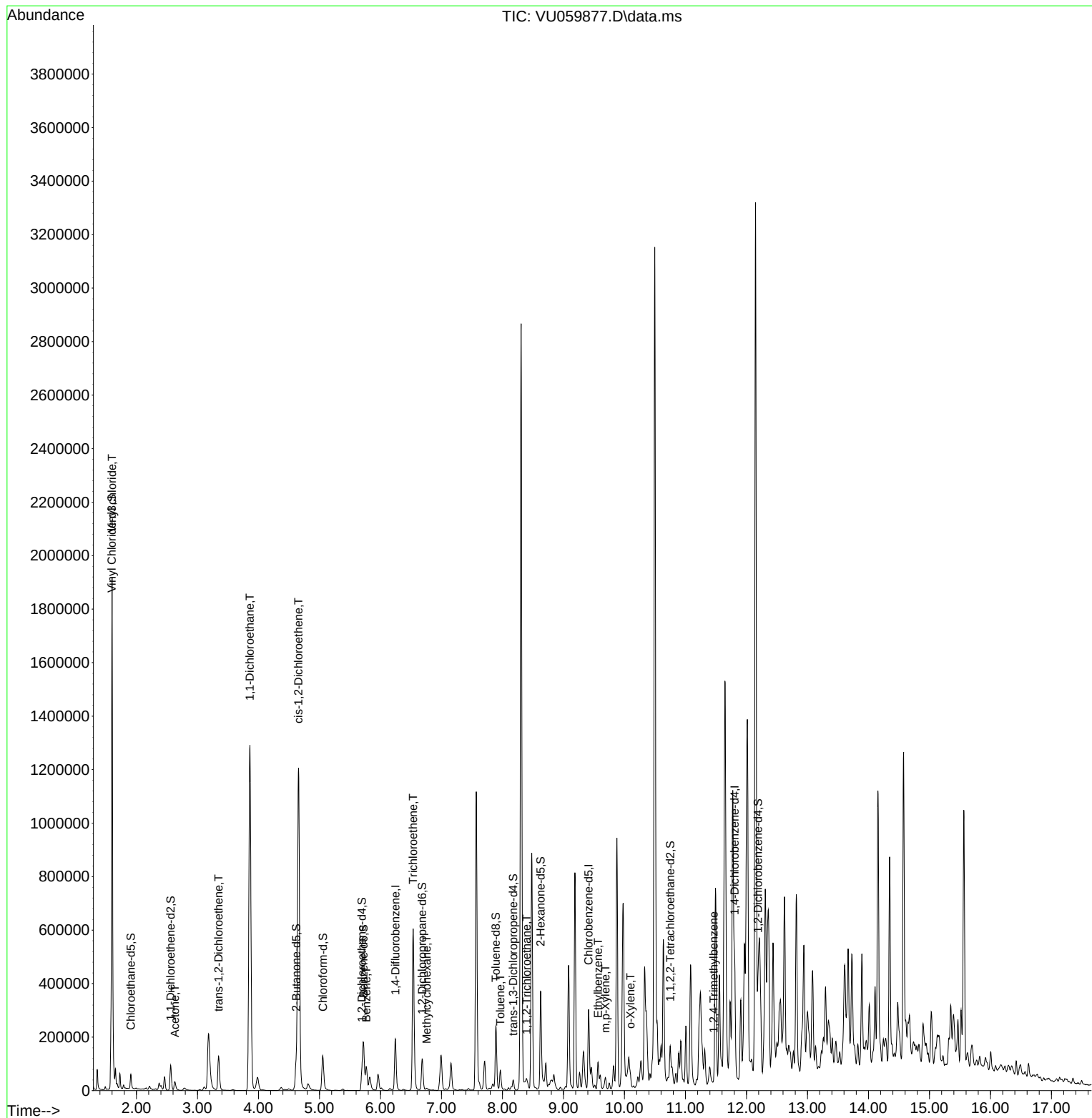
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	167262	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	174343	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	95904	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	53196	4.574	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.400%
7) Chloroethane-d5	1.908	69	39268	3.509	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.200%
11) 1,1-Dichloroethene-d2	2.560	65	16438	3.407	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.200%
20) 2-Butanone-d5	4.618	46	127056	53.034	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.060%
24) Chloroform-d	5.055	84	91218	3.821	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.400%
26) 1,2-Dichloroethane-d4	5.695	65	48630	4.229	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
32) Benzene-d6	5.721	84	179283	3.736	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.800%
36) 1,2-Dichloropropane-d6	6.682	67	61194	4.162	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.200%
41) Toluene-d8	7.891	98	169098	3.791	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.800%
43) trans-1,3-Dichloroprop...	8.174	79	23400	5.083	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.600%
46) 2-Hexanone-d5	8.624	63	134951	70.546	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	141.100%#
56) 1,1,2,2-Tetrachloroeth...	10.750	84	61171	5.035	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	75671	4.433	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	1368847	81.236	ug/L	99
13) Acetone	2.628	43	41987	27.017	ug/L	90
18) trans-1,2-Dichloroethene	3.345	96	59271	4.804	ug/L	87
19) 1,1-Dichloroethane	3.859	63	1481661	65.127	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	673230	49.508	ug/L	94
33) Benzene	5.769	78	91241	1.723	ug/L	100
34) Trichloroethene	6.534	95	208647	14.552	ug/L	97
35) Methylcyclohexane	6.756	83	2504	0.123	ug/L	86
42) Toluene	7.965	91	57292	1.022	ug/L	96
45) 1,1,2-Trichloroethane	8.393	97	5222	0.517	ug/L	95
52) Ethylbenzene	9.566	91	71961	1.252	ug/L	96
53) m,p-Xylene	9.689	106	11030	0.499	ug/L	81
54) o-Xylene	10.097	106	8758	0.418	ug/L	89
63) 1,2,4-Trimethylbenzene	11.463	105	9770	0.218	ug/L	93

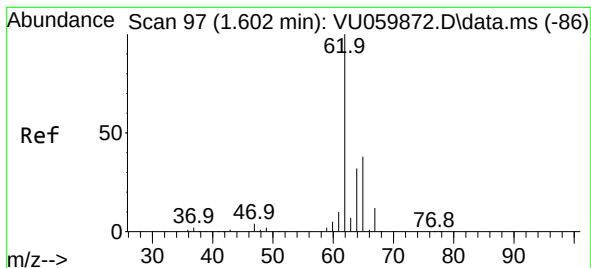
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 81.236 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU059877.D

Acq: 08 Jul 2024 12:44

Instrument :

MSVOA_U

ClientSampleId :

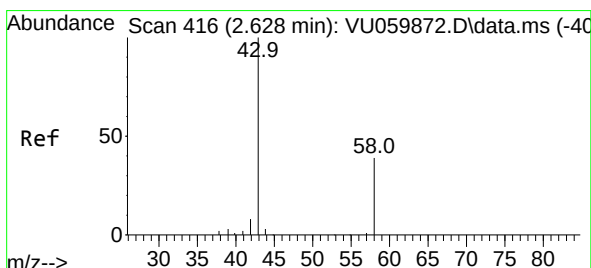
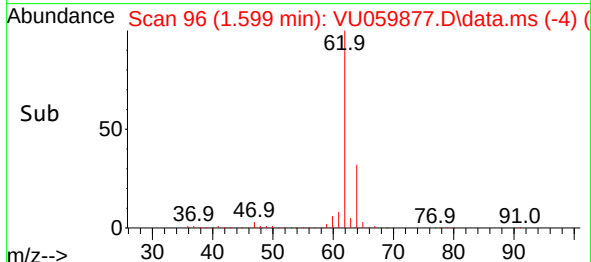
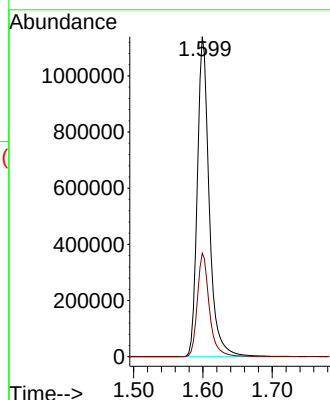
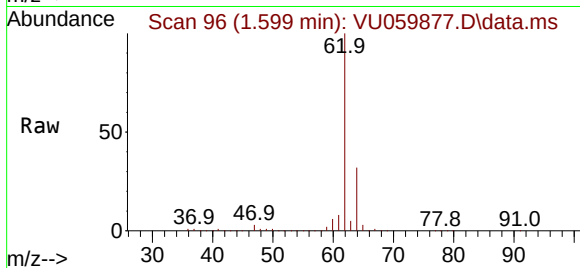
YDZG7

Tgt Ion: 62 Resp: 1368847

Ion Ratio Lower Upper

62 100

64 32.3 23.1 42.9



#13

Acetone

Concen: 27.017 ug/L

RT: 2.628 min Scan# 416

Delta R.T. 0.000 min

Lab File: VU059877.D

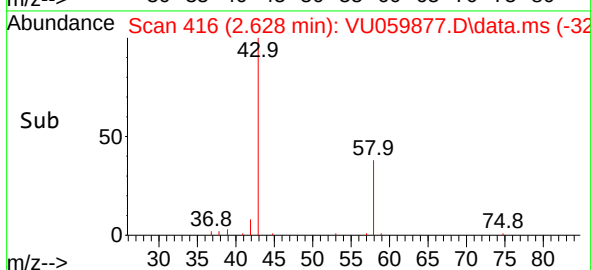
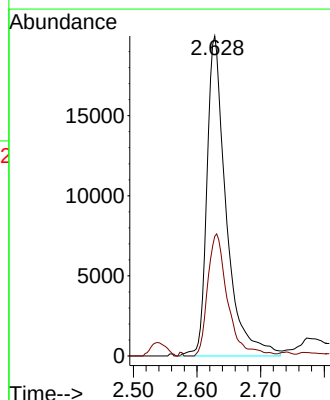
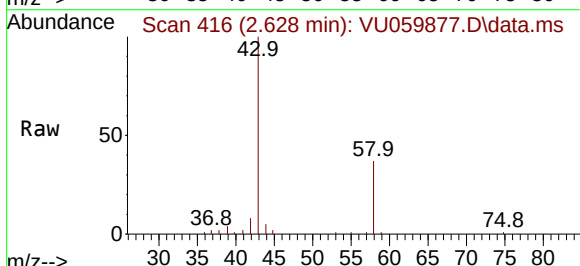
Acq: 08 Jul 2024 12:44

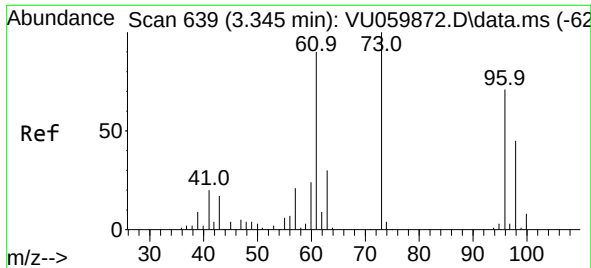
Tgt Ion: 43 Resp: 41987

Ion Ratio Lower Upper

43 100

58 39.7 0.0 68.0



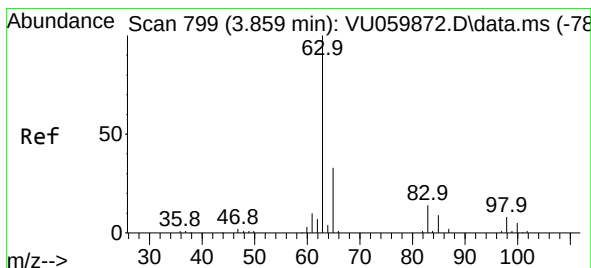
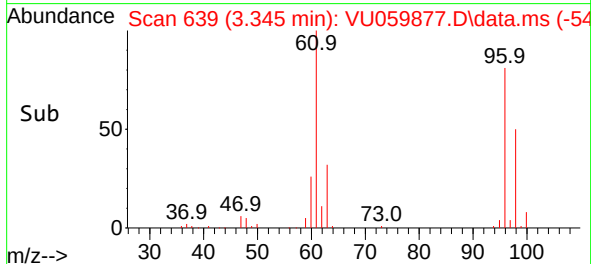
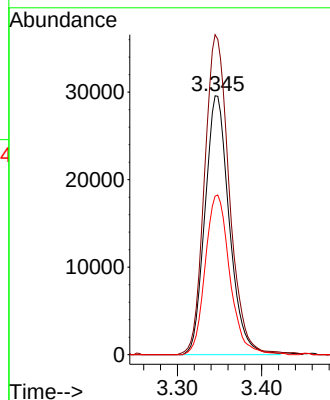
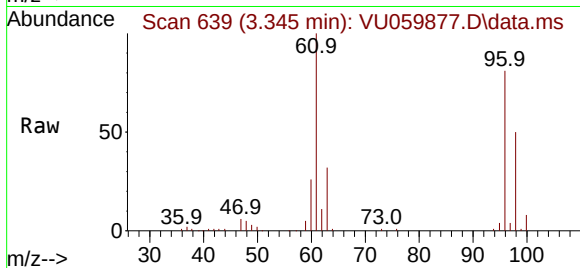


#18
trans-1,2-Dichloroethene
Concen: 4.804 ug/L
RT: 3.345 min Scan# 618
Delta R.T. 0.000 min
Lab File: VU059877.D
Acq: 08 Jul 2024 12:44

Instrument :
MSVOA_U
ClientSampleId :
YDZG7

Tgt Ion: 96 Resp: 59271

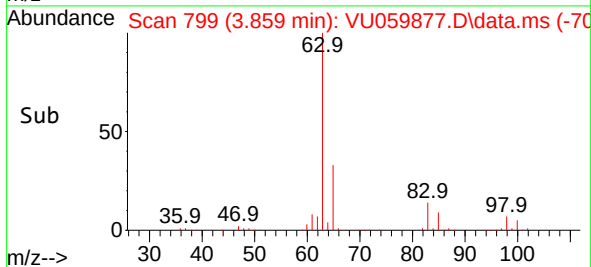
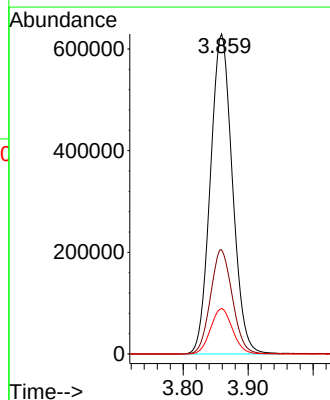
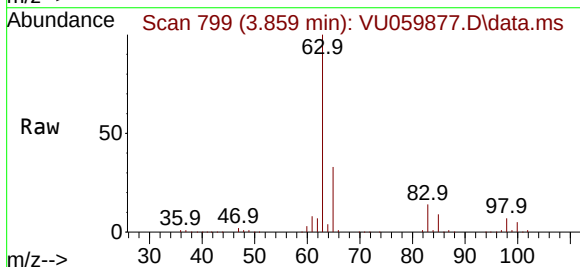
Ion	Ratio	Lower	Upper
96	100		
61	123.6	101.8	189.0
98	61.2	43.3	80.5

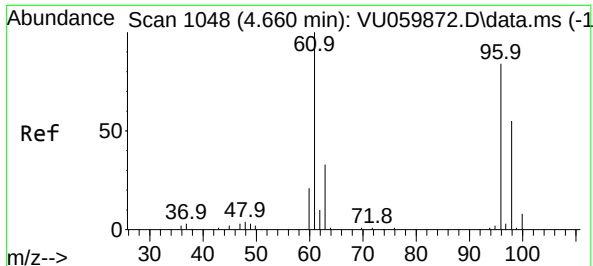


#19
1,1-Dichloroethane
Concen: 65.127 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU059877.D
Acq: 08 Jul 2024 12:44

Tgt Ion: 63 Resp: 1481661

Ion	Ratio	Lower	Upper
63	100		
65	32.6	21.8	40.6
83	14.2	9.9	18.5





#22

cis-1,2-Dichloroethene

Concen: 49.508 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU059877.D

Acq: 08 Jul 2024 12:44

Instrument :

MSVOA_U

ClientSampleId :

YDZG7

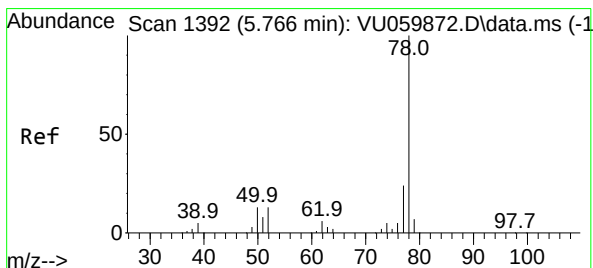
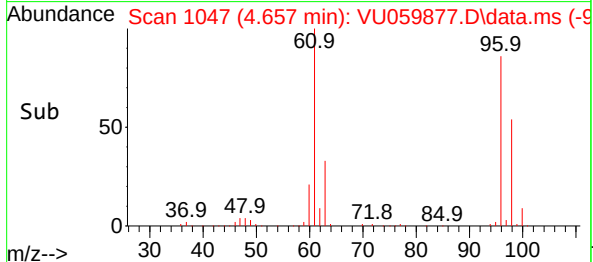
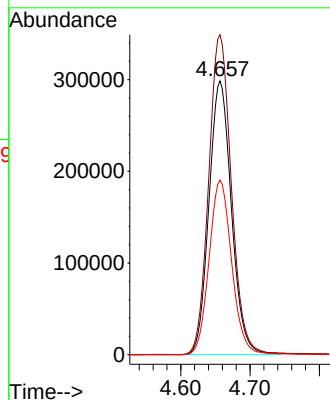
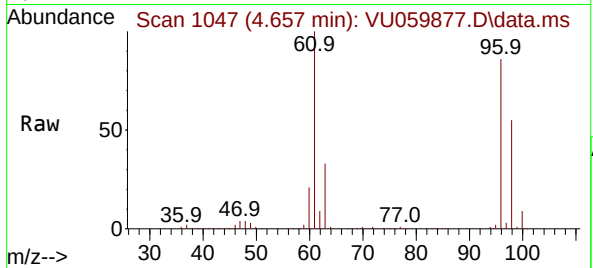
Tgt Ion: 96 Resp: 673230

Ion Ratio Lower Upper

96 100

61 116.9 87.4 162.2

98 63.8 42.3 78.5



#33

Benzene

Concen: 1.723 ug/L

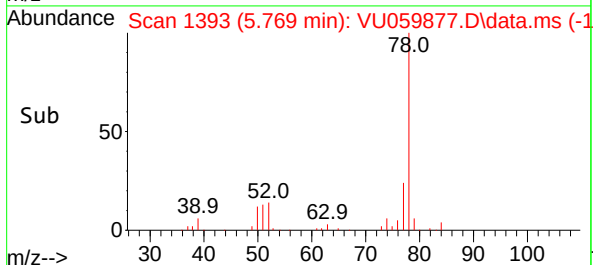
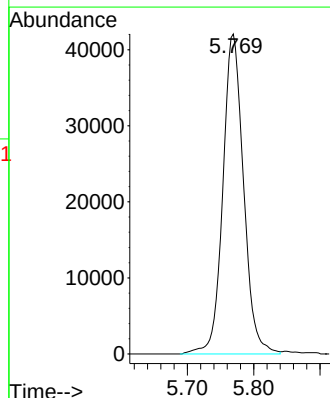
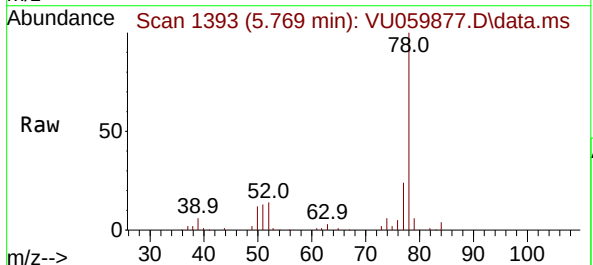
RT: 5.769 min Scan# 1393

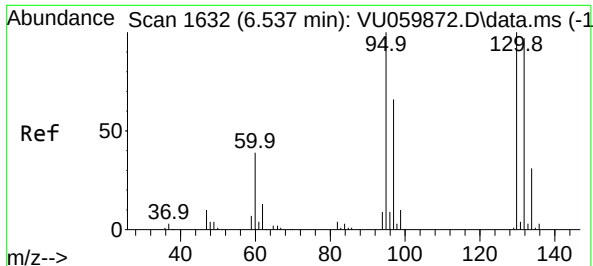
Delta R.T. 0.003 min

Lab File: VU059877.D

Acq: 08 Jul 2024 12:44

Tgt Ion: 78 Resp: 91241

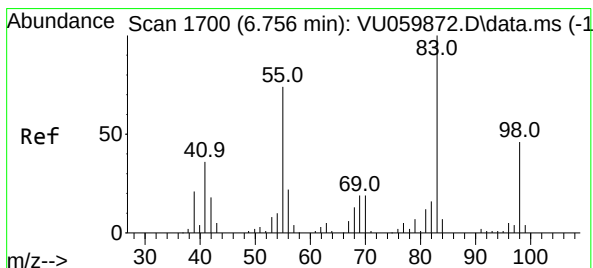
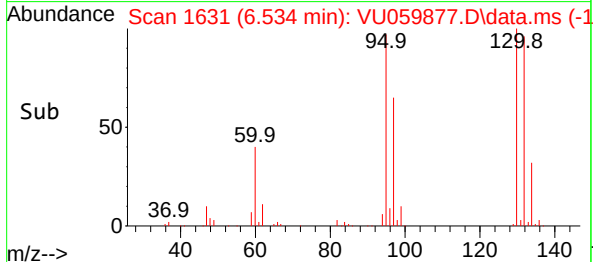
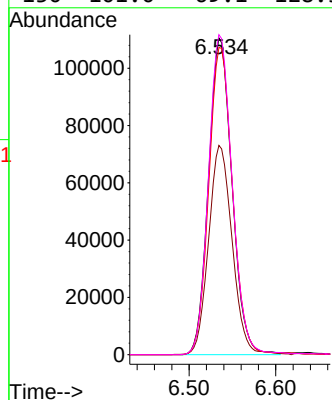
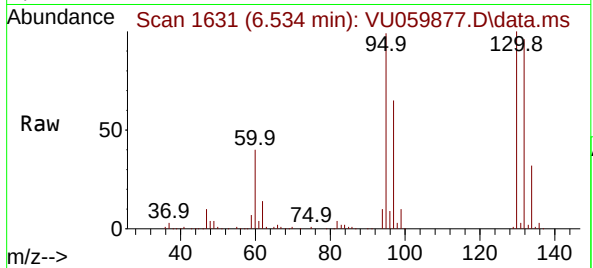




#34
Trichloroethene
Concen: 14.552 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU059877.D
Acq: 08 Jul 2024 12:44

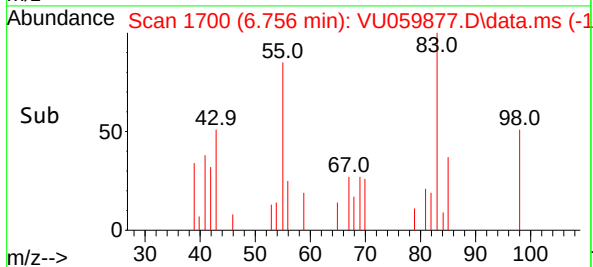
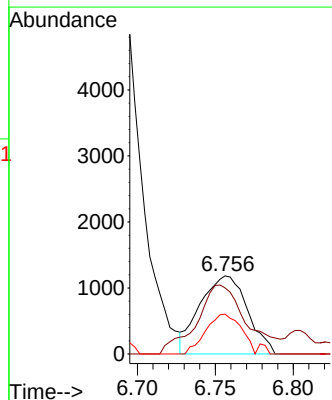
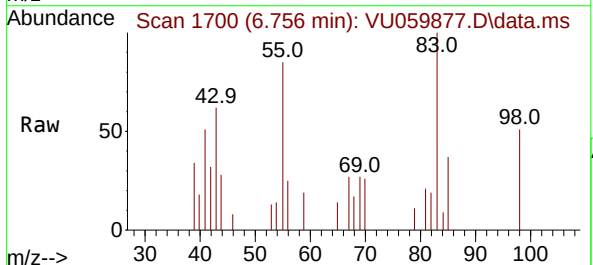
Instrument :
MSVOA_U
ClientSampleId :
YDZG7

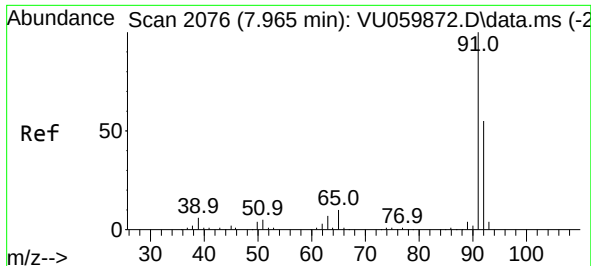
Tgt Ion: 95 Resp: 208647
Ion Ratio Lower Upper
95 100
97 66.1 45.3 84.1
132 96.9 64.0 119.0
130 101.0 69.1 128.3



#35
Methylcyclohexane
Concen: 0.123 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU059877.D
Acq: 08 Jul 2024 12:44

Tgt Ion: 83 Resp: 2504
Ion Ratio Lower Upper
83 100
55 92.8 62.7 94.1
98 38.0 35.4 53.0





#42

Toluene

Concen: 1.022 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU059877.D

Acq: 08 Jul 2024 12:44

Instrument :

MSVOA_U

ClientSampleId :

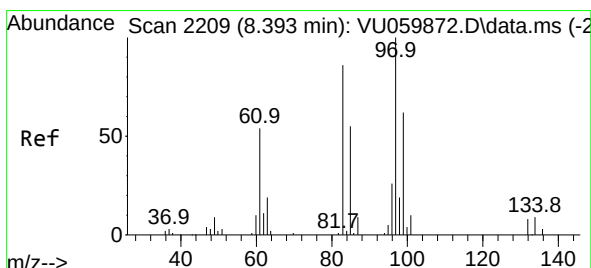
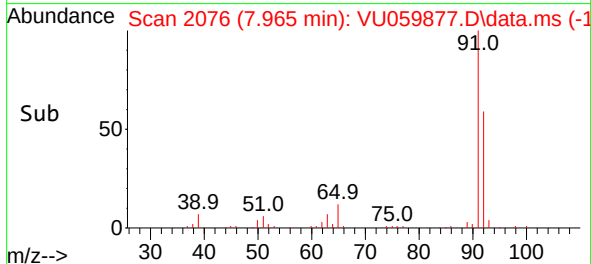
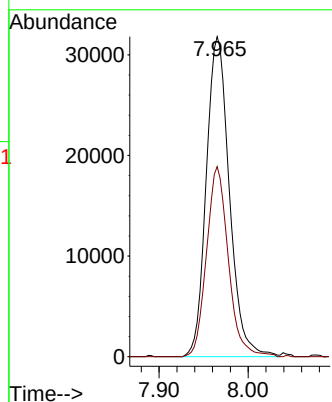
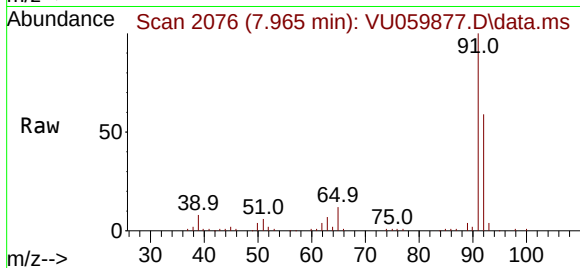
YDZG7

Tgt Ion: 91 Resp: 57292

Ion Ratio Lower Upper

91 100

92 59.4 39.7 73.7



#45

1,1,2-Trichloroethane

Concen: 0.517 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU059877.D

Acq: 08 Jul 2024 12:44

Tgt Ion: 97 Resp: 5222

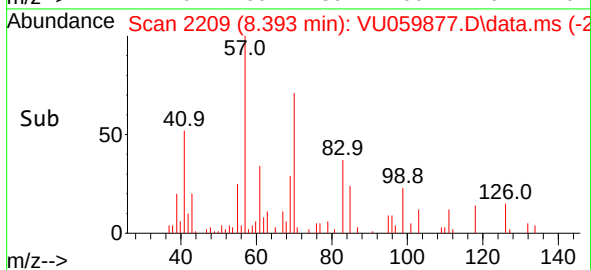
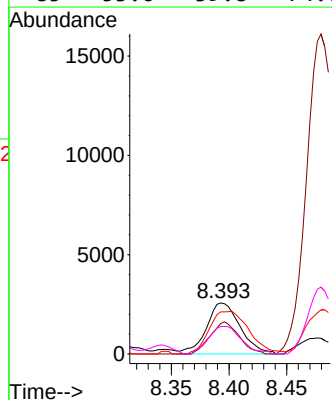
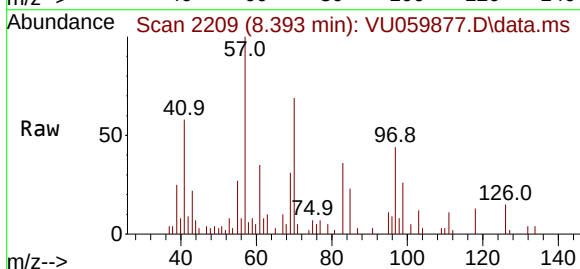
Ion Ratio Lower Upper

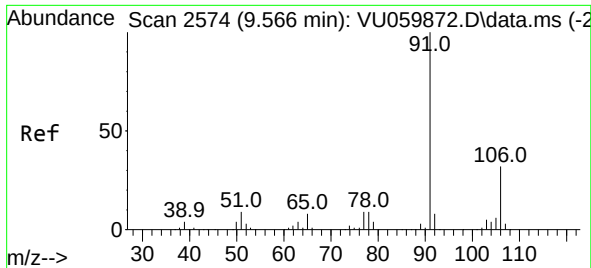
97 100

99 59.8 43.3 80.3

83 82.5 62.3 115.7

85 53.6 39.8 74.0

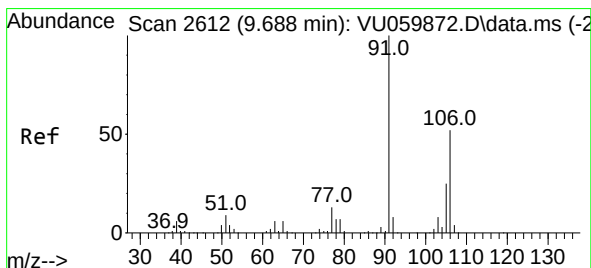
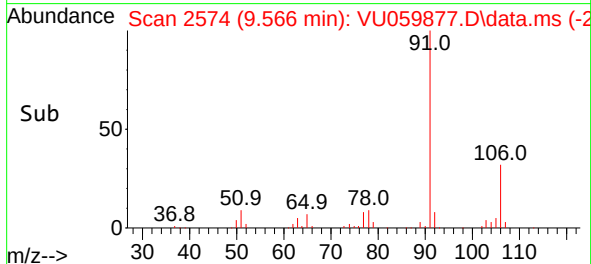
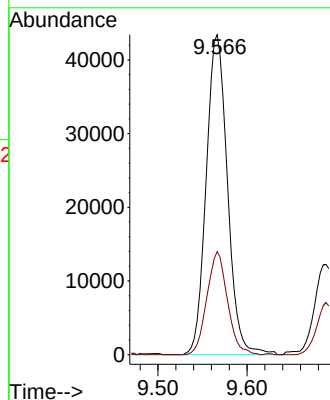
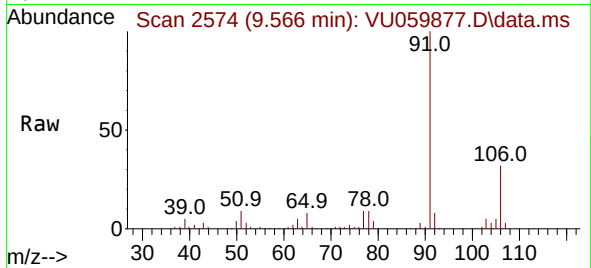




#52
Ethylbenzene
Concen: 1.252 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059877.D
Acq: 08 Jul 2024 12:44

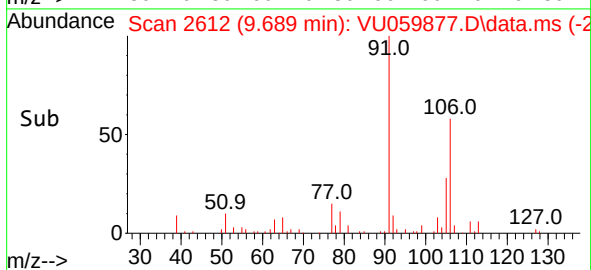
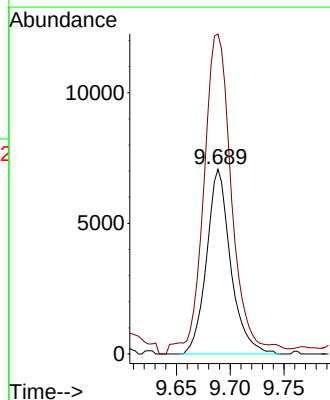
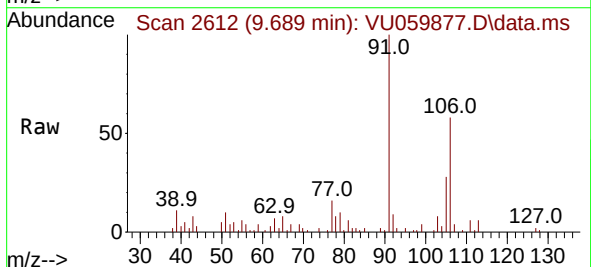
Instrument :
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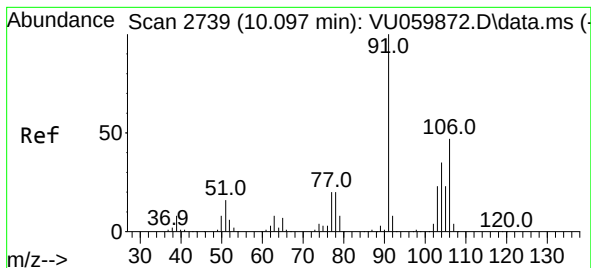
Tgt Ion: 91 Resp: 71961
Ion Ratio Lower Upper
91 100
106 32.2 20.9 38.7



#53
m,p-Xylene
Concen: 0.499 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059877.D
Acq: 08 Jul 2024 12:44

Tgt Ion: 106 Resp: 11030
Ion Ratio Lower Upper
106 100
91 173.2 142.0 263.8





#54

o-Xylene

Concen: 0.418 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU059877.D

Acq: 08 Jul 2024 12:44

Instrument :

MSVOA_U

ClientSampleId :

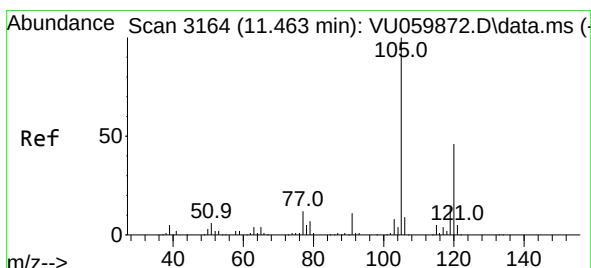
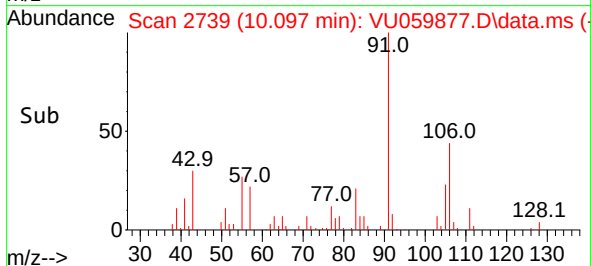
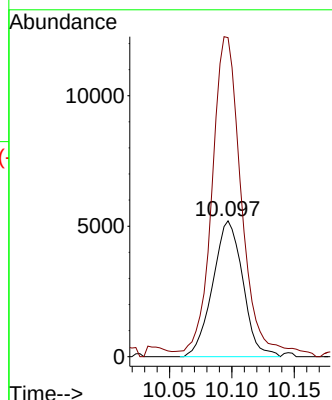
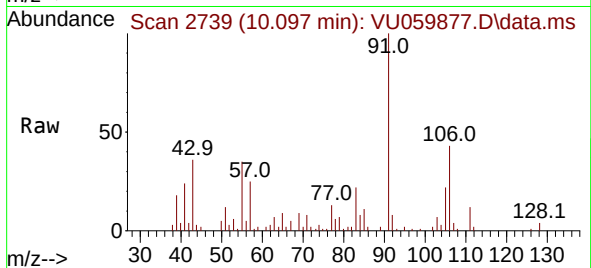
YDZG7

Tgt Ion:106 Resp: 8758

Ion Ratio Lower Upper

106 100

91 234.8 151.6 281.6



#63

1,2,4-Trimethylbenzene

Concen: 0.218 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU059877.D

Acq: 08 Jul 2024 12:44

Tgt Ion:105 Resp: 9770

Ion Ratio Lower Upper

105 100

120 39.8 35.4 53.0

