

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071224\
 Data File : VU059915.D
 Acq On : 12 Jul 2024 12:40
 Operator : MD/SY
 Sample : P3217-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZC3

Quant Time: Jul 13 03:54:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 13 03:52:33 2024
 Response via : Initial Calibration

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

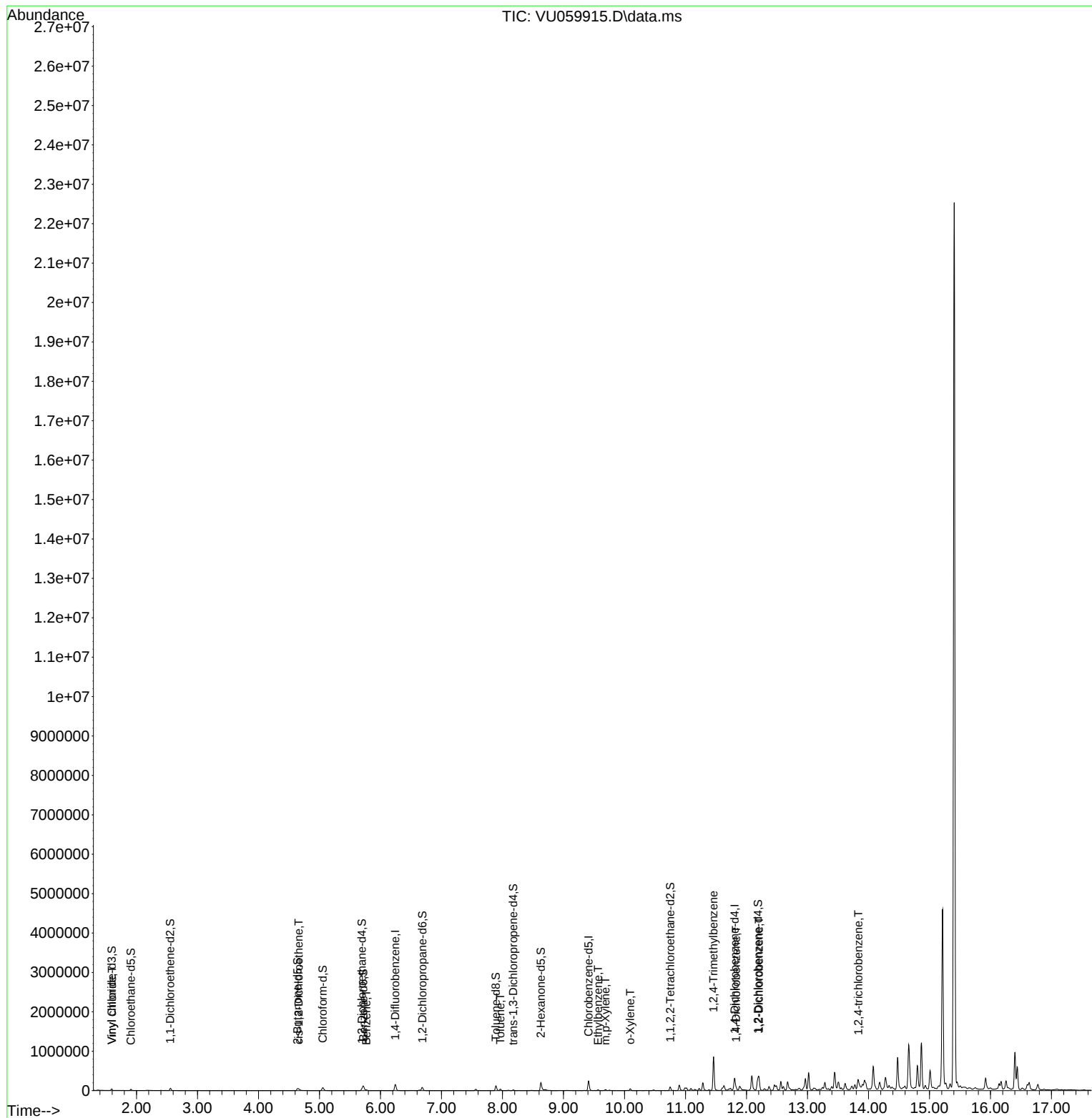
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	136388	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	148539	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	83644	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	22711	2.395	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	47.800%
7) Chloroethane-d5	1.907	69	24012	2.631	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	52.600%#
11) 1,1-Dichloroethene-d2	2.554	65	10777	2.739	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.800%#
20) 2-Butanone-d5	4.637	46	74472	38.122	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.240%
24) Chloroform-d	5.052	84	67726	3.479	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.600%#
26) 1,2-Dichloroethane-d4	5.695	65	32753	3.493	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.800%#
32) Benzene-d6	5.718	84	114249	2.795	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	55.800%#
36) 1,2-Dichloropropane-d6	6.685	67	42777	3.415	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	68.200%
41) Toluene-d8	7.891	98	88370	2.325	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	46.600%#
43) trans-1,3-Dichloroprop...	8.177	79	13198	3.365	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.200%
46) 2-Hexanone-d5	8.631	63	74779	45.882	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.760%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	47244	4.565	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	56724	3.810	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.200%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	4795	0.349	ug/L	85
22) cis-1,2-Dichloroethene	4.660	96	10449	0.942	ug/L	96
33) Benzene	5.769	78	18545	0.411	ug/L	100
42) Toluene	7.965	91	29396	0.616	ug/L	99
52) Ethylbenzene	9.566	91	15418	0.315	ug/L	93
53) m,p-Xylene	9.688	106	6929	0.368	ug/L	90
54) o-Xylene	10.094	106	13096	0.733	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	454464	11.613	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	24504	0.906	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	109610	4.432	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	12434	0.833	ug/L #	67

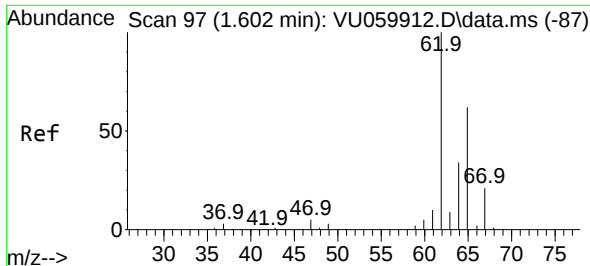
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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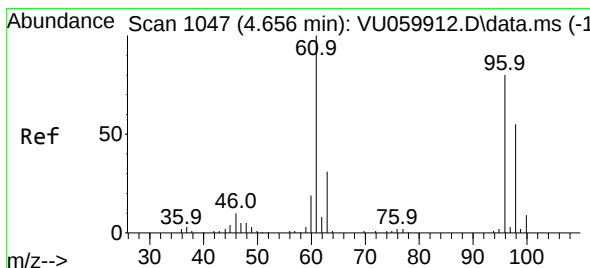
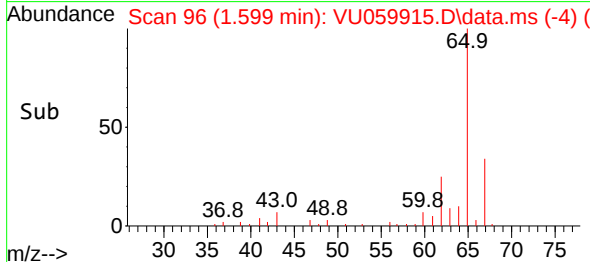
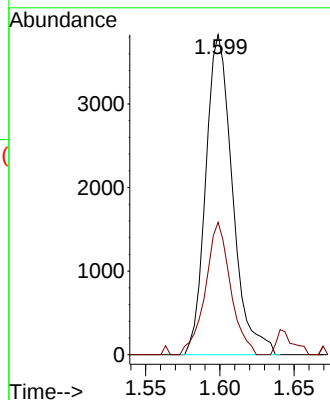
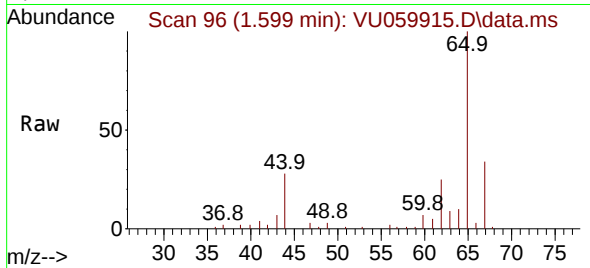




#5
 Vinyl chloride
 Concen: 0.349 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU059915.D
 Acq: 12 Jul 2024 12:40

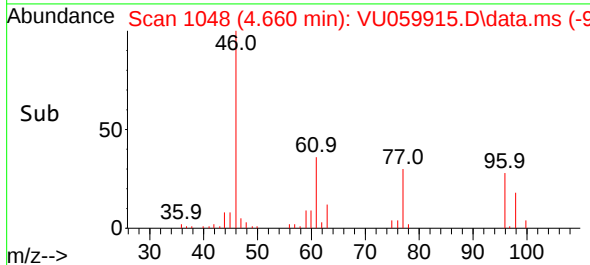
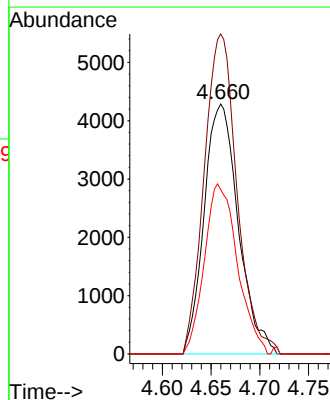
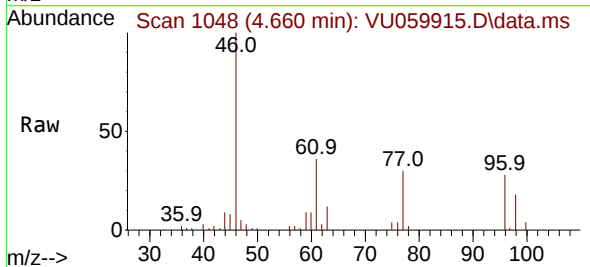
Instrument :
 MSVOA_U
 ClientSampleId :
 YDZC3

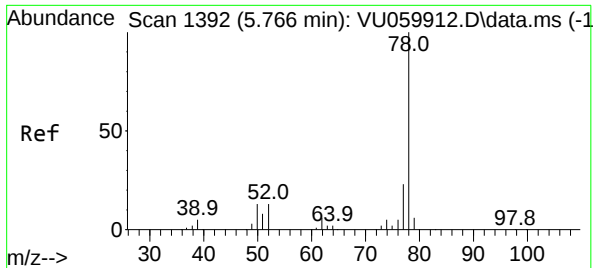
Tgt Ion: 62 Resp: 4795
 Ion Ratio Lower Upper
 62 100
 64 41.3 23.1 42.9



#22
 cis-1,2-Dichloroethene
 Concen: 0.942 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.003 min
 Lab File: VU059915.D
 Acq: 12 Jul 2024 12:40

Tgt Ion: 96 Resp: 10449
 Ion Ratio Lower Upper
 96 100
 61 128.0 87.4 162.2
 98 65.8 42.3 78.5





#33

Benzene

Concen: 0.411 ug/L

RT: 5.769 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU059915.D

Acq: 12 Jul 2024 12:40

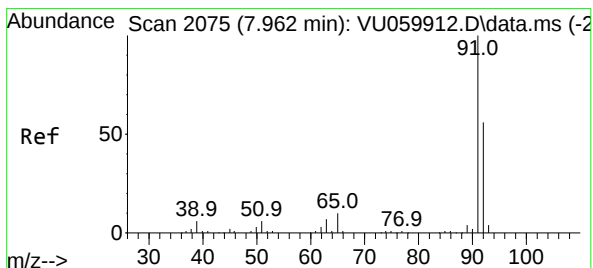
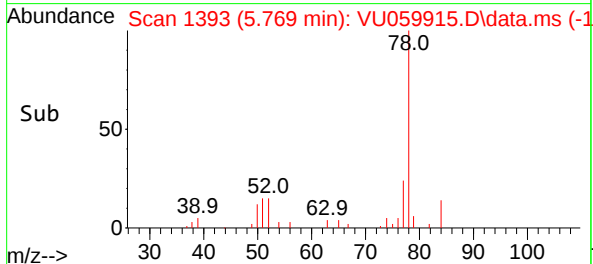
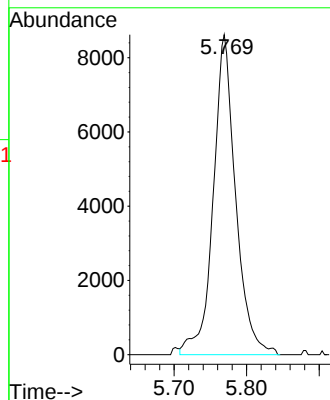
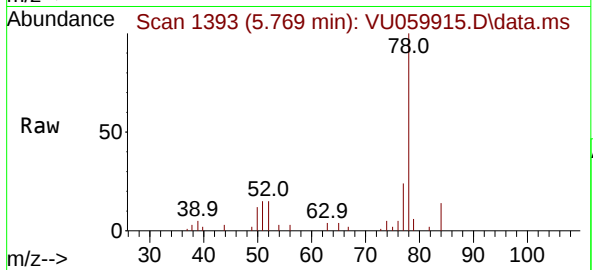
Instrument :

MSVOA_U

ClientSampleId :

YDZC3

Tgt Ion: 78 Resp: 18545



#42

Toluene

Concen: 0.616 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU059915.D

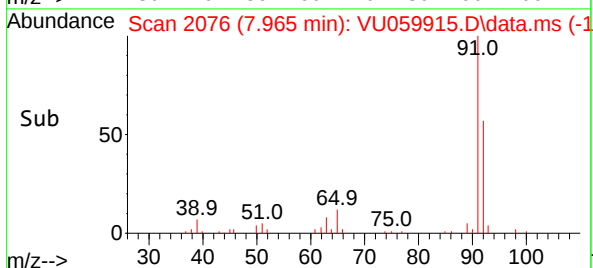
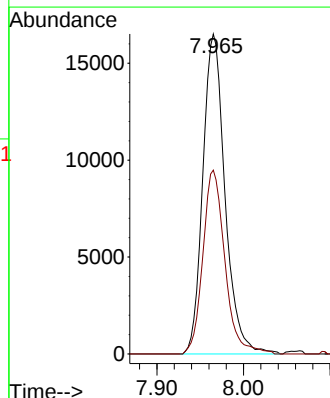
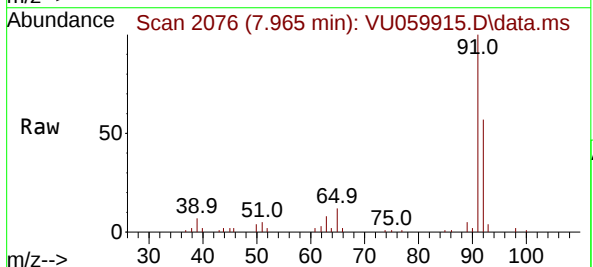
Acq: 12 Jul 2024 12:40

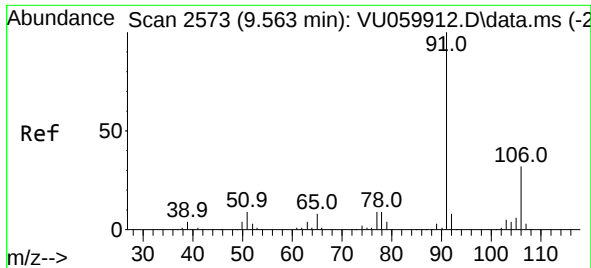
Tgt Ion: 91 Resp: 29396

Ion Ratio Lower Upper

91 100

92 57.5 39.7 73.7

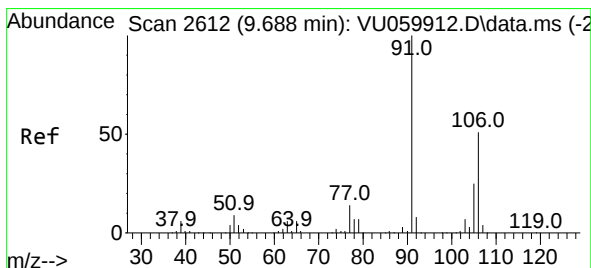
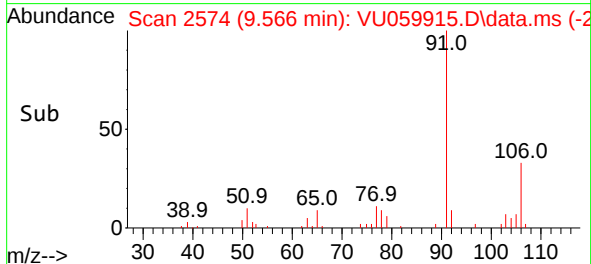
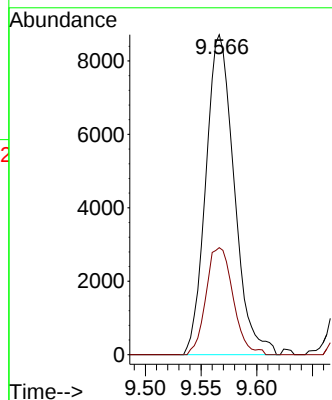
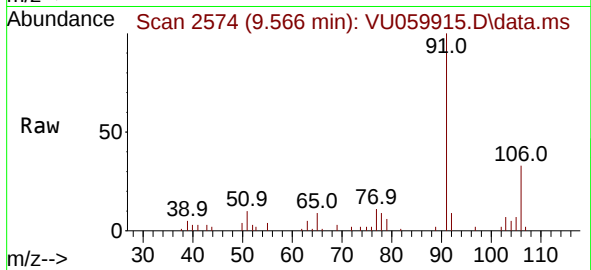




#52
Ethylbenzene
Concen: 0.315 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

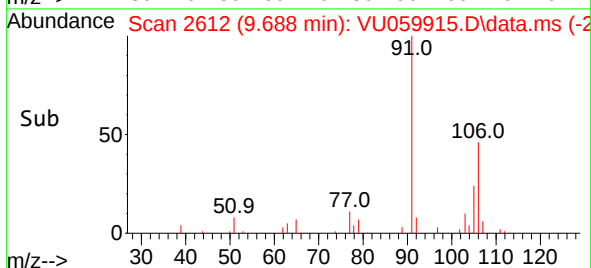
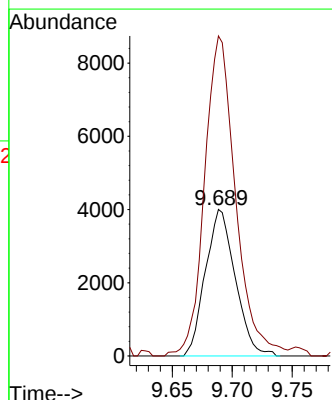
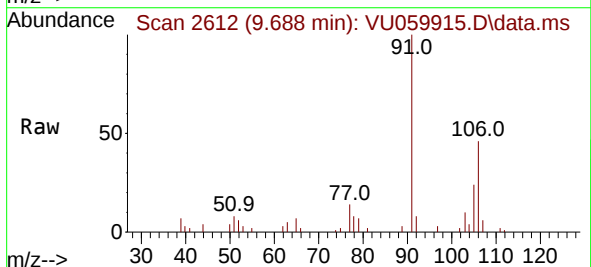
Instrument :
MSVOA_U
ClientSampleId :
YDZC3

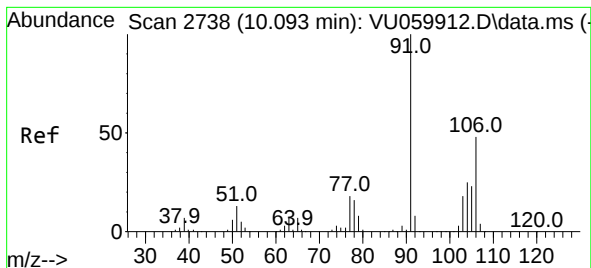
Tgt Ion: 91 Resp: 15418
Ion Ratio Lower Upper
91 100
106 33.5 20.9 38.7



#53
m,p-Xylene
Concen: 0.368 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

Tgt Ion: 106 Resp: 6929
Ion Ratio Lower Upper
106 100
91 218.4 142.0 263.8





#54

o-Xylene

Concen: 0.733 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU059915.D

Acq: 12 Jul 2024 12:40

Instrument :

MSVOA_U

ClientSampleId :

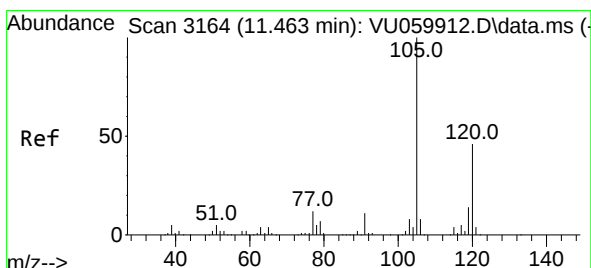
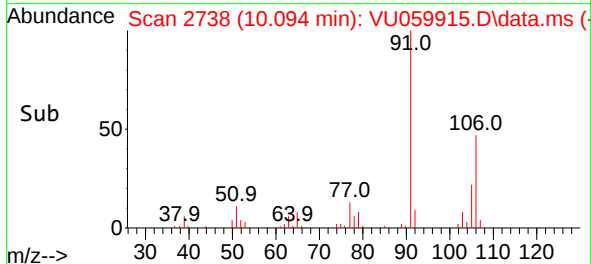
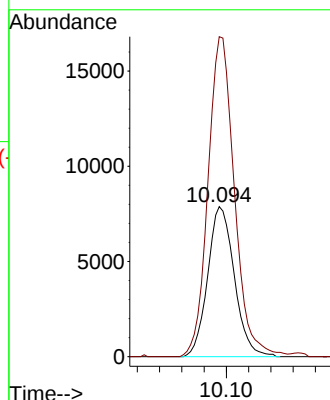
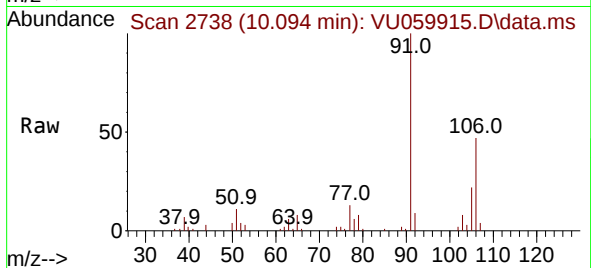
YDZC3

Tgt Ion:106 Resp: 13096

Ion Ratio Lower Upper

106 100

91 213.2 151.6 281.6



#63

1,2,4-Trimethylbenzene

Concen: 11.613 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU059915.D

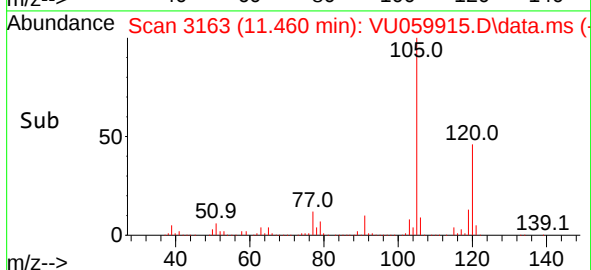
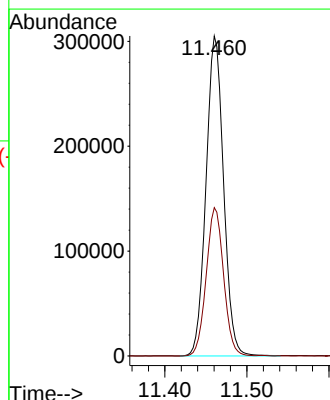
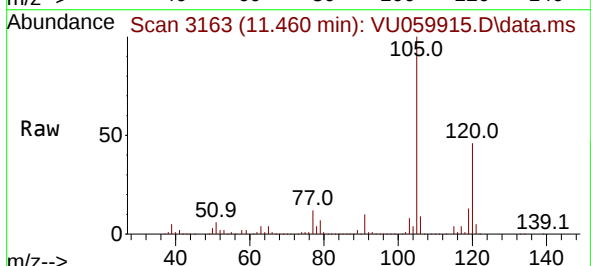
Acq: 12 Jul 2024 12:40

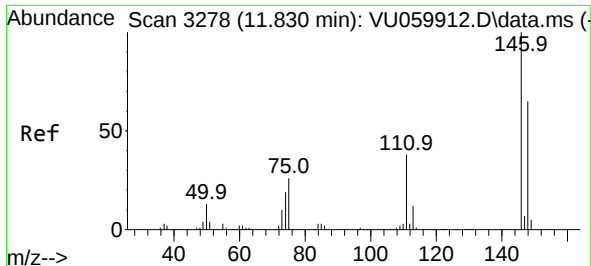
Tgt Ion:105 Resp: 454464

Ion Ratio Lower Upper

105 100

120 45.9 35.4 53.0

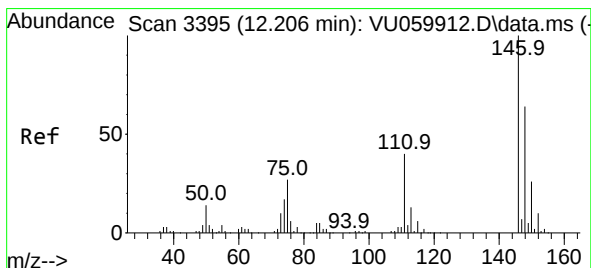
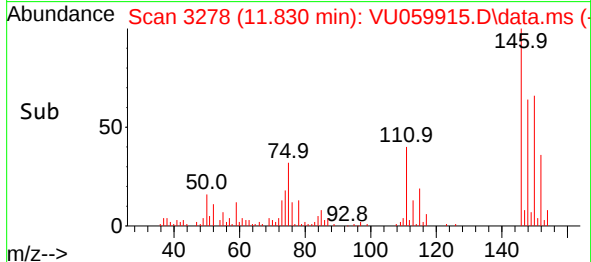
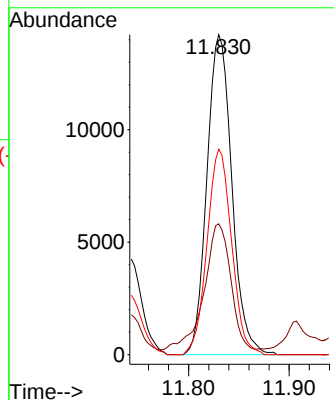
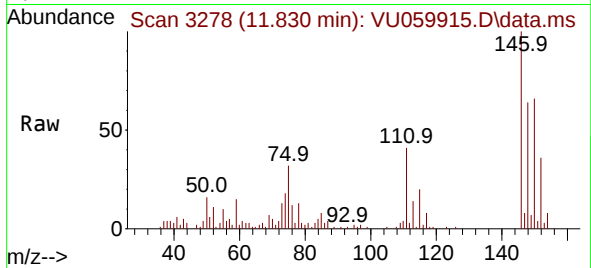




#65
1,4-Dichlorobenzene
Concen: 0.906 ug/L
RT: 11.830 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

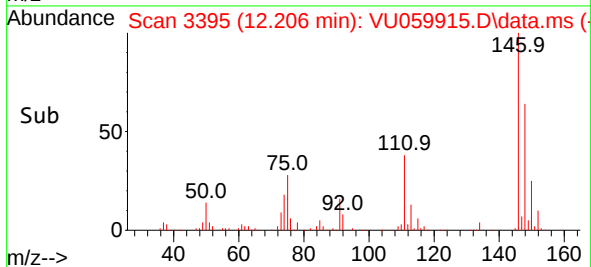
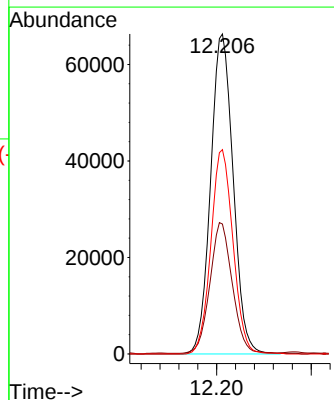
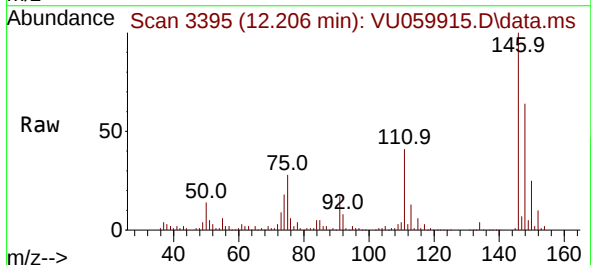
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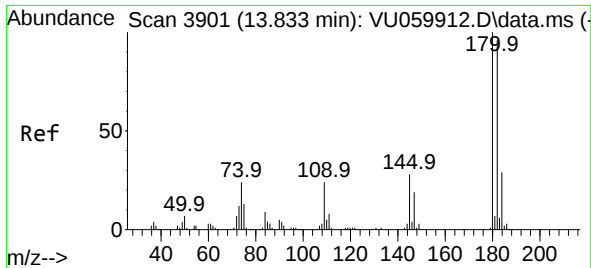
Tgt Ion:146 Resp: 24504
Ion Ratio Lower Upper
146 100
111 40.9 26.9 50.1
148 64.2 45.3 84.1



#67
1,2-Dichlorobenzene
Concen: 4.432 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU059915.D
Acq: 12 Jul 2024 12:40

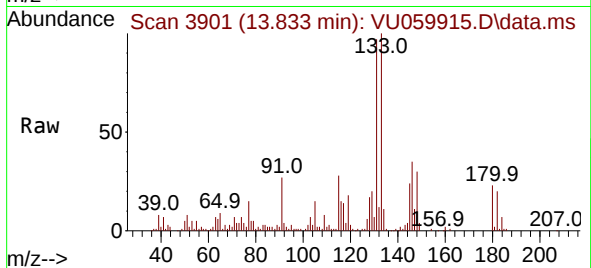
Tgt Ion:146 Resp: 109610
Ion Ratio Lower Upper
146 100
111 40.6 33.4 50.0
148 63.8 49.7 74.5





#70
 1,2,4-trichlorobenzene
 Concen: 0.833 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU059915.D
 Acq: 12 Jul 2024 12:40

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZC3



Tgt Ion:	180	Resp:	12434
Ion Ratio	Lower	Upper	
180	100		
182	93.3	74.9	112.3
145	102.0	23.9	35.9#

