

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060053.D
 Acq On : 19 Jul 2024 11:50
 Operator : MD/SY
 Sample : P3217-03DL 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZC5DL

Quant Time: Jul 20 00:57:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 19 02:49:52 2024
 Response via : Initial Calibration

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

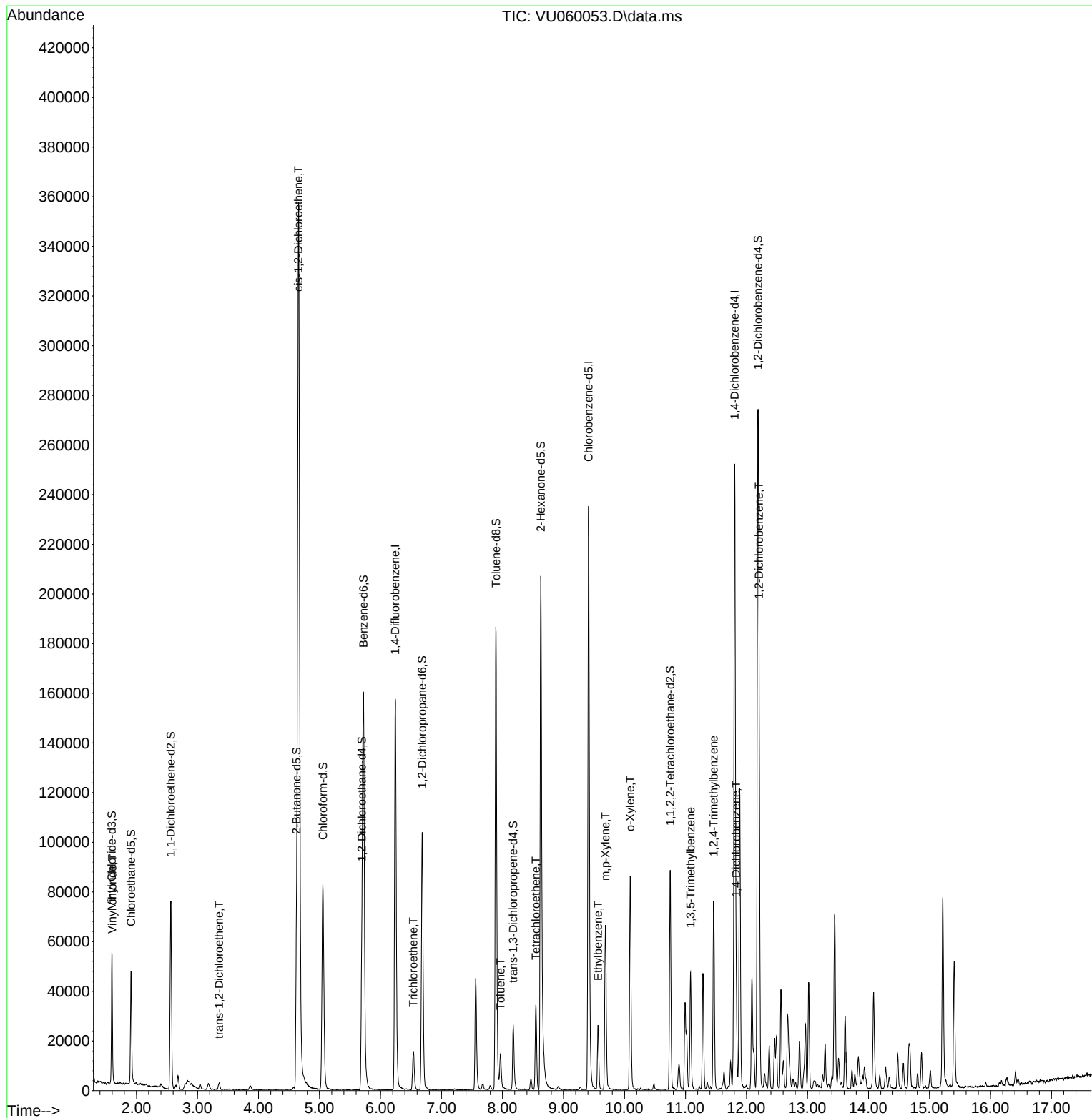
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	140774	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	142864	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	72994	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	34893	3.562	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.200%
7) Chloroethane-d5	1.911	69	35071	3.854	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.000%
11) 1,1-Dichloroethene-d2	2.563	65	15109	3.951	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.000%
20) 2-Butanone-d5	4.624	46	99397	43.407	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.820%
24) Chloroform-d	5.055	84	81459	3.957	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.200%
26) 1,2-Dichloroethane-d4	5.695	65	41182	4.297	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.000%
32) Benzene-d6	5.721	84	161118	4.209	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	6.682	67	52827	4.331	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.600%
41) Toluene-d8	7.894	98	136371	3.943	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
43) trans-1,3-Dichloroprop...	8.174	79	17207	4.144	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.800%
46) 2-Hexanone-d5	8.627	63	77571	42.103	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.200%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	46326	4.268	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	60227	4.571	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	4851	0.337	ug/L	89
18) trans-1,2-Dichloroethene	3.354	96	1428	0.128	ug/L	90
22) cis-1,2-Dichloroethene	4.657	96	194709	15.553	ug/L	98
34) Trichloroethene	6.537	95	5440	0.435	ug/L	93
42) Toluene	7.968	91	11319	0.225	ug/L	99
47) Tetrachloroethene	8.547	164	8418	0.813	ug/L	95
52) Ethylbenzene	9.566	91	19400	0.387	ug/L	97
53) m,p-Xylene	9.688	106	21417	1.107	ug/L	92
54) o-Xylene	10.094	106	25001	1.351	ug/L	96
62) 1,3,5-Trimethylbenzene	11.084	105	26263	0.720	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	42687	1.211	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	13320	0.509	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	58810	2.392	ug/L	95

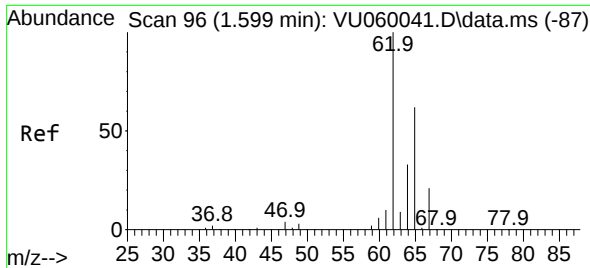
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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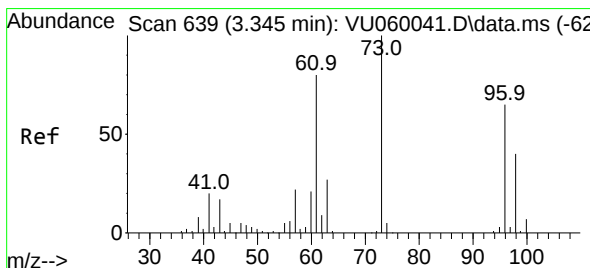
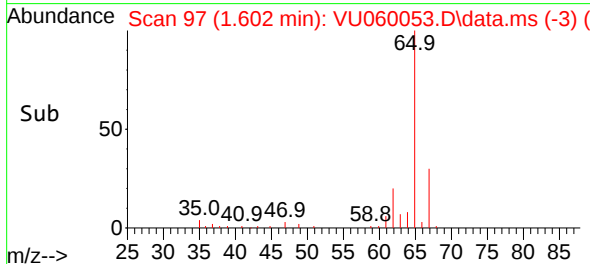
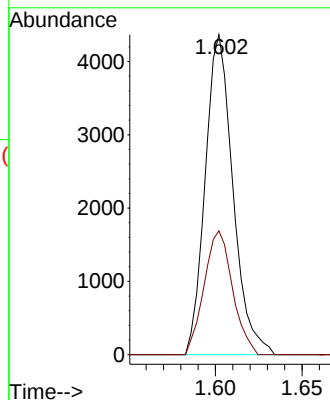
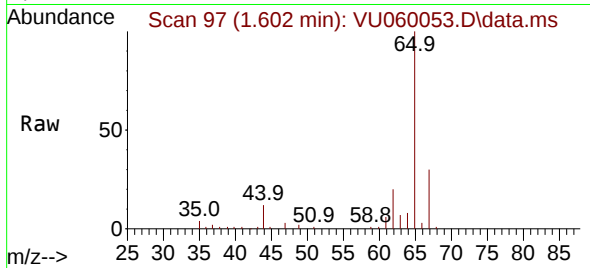




#5
 Vinyl chloride
 Concen: 0.337 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU060053.D
 Acq: 19 Jul 2024 11:50

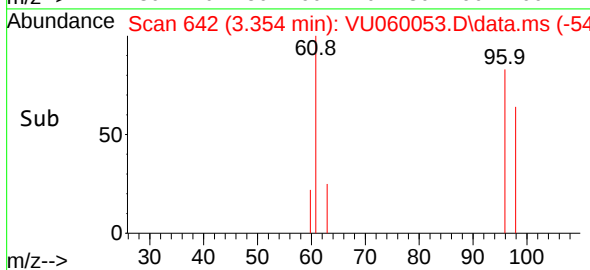
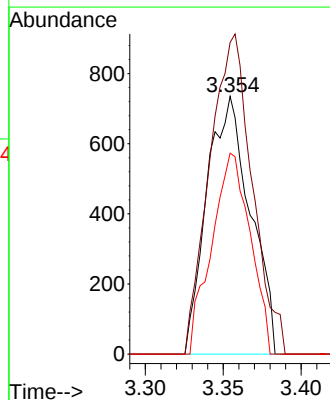
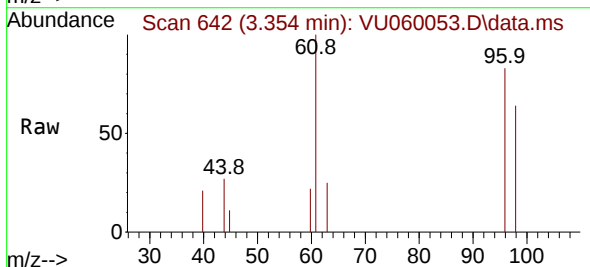
Instrument :
 MSVOA_U
 ClientSampleId :
 YDZC5DL

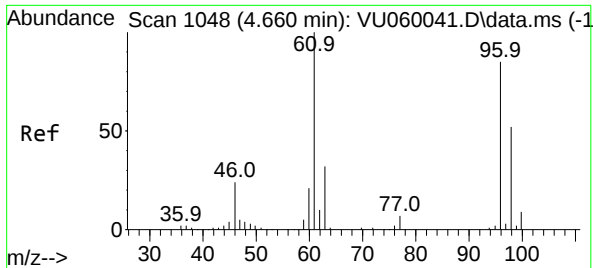
Tgt Ion: 62 Resp: 4851
 Ion Ratio Lower Upper
 62 100
 64 38.7 22.8 42.4



#18
 trans-1,2-Dichloroethene
 Concen: 0.128 ug/L
 RT: 3.354 min Scan# 642
 Delta R.T. 0.010 min
 Lab File: VU060053.D
 Acq: 19 Jul 2024 11:50

Tgt Ion: 96 Resp: 1428
 Ion Ratio Lower Upper
 96 100
 61 121.0 91.6 170.0
 98 78.0 47.7 88.5

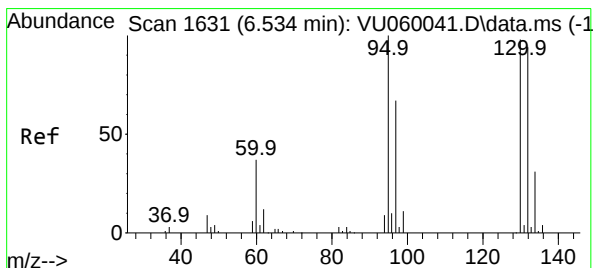
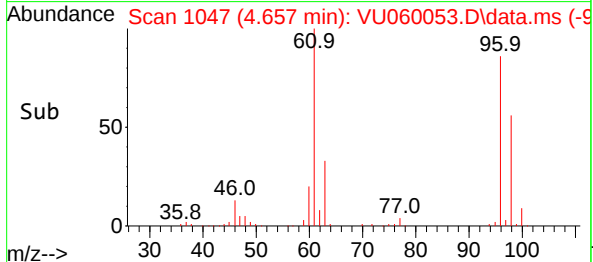
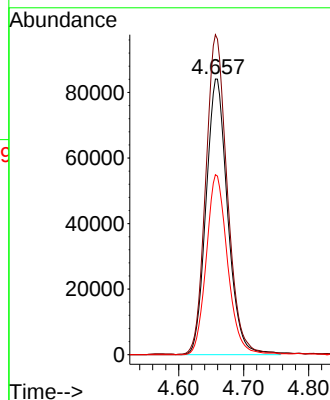
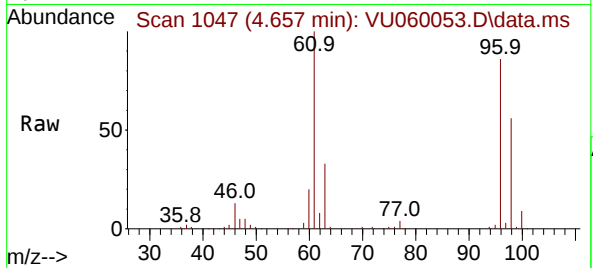




#22
 cis-1,2-Dichloroethene
 Concen: 15.553 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: VU060053.D
 Acq: 19 Jul 2024 11:50

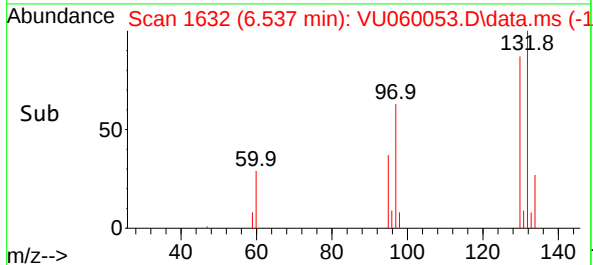
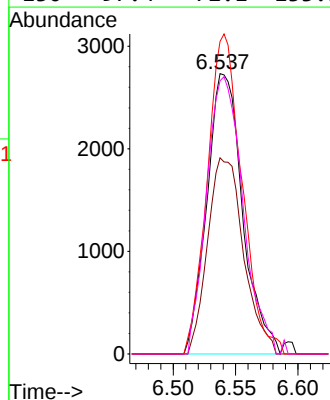
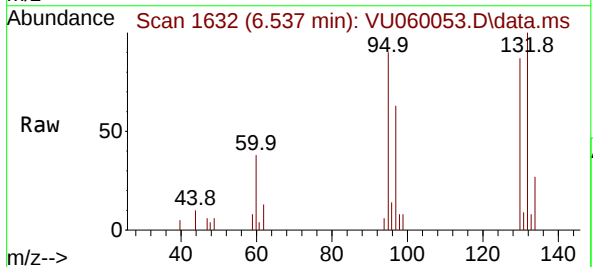
Instrument :
 MSVOA_U
 ClientSampleId :
 YDZC5DL

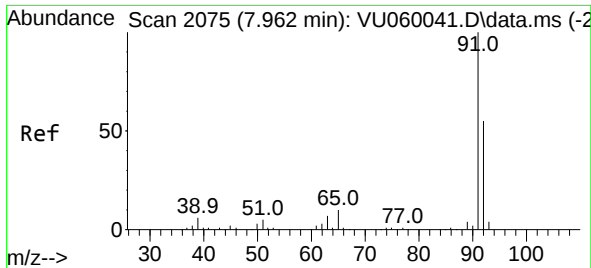
Tgt Ion: 96 Resp: 194709
 Ion Ratio Lower Upper
 96 100
 61 116.1 80.2 148.9
 98 65.3 44.7 83.1



#34
 Trichloroethene
 Concen: 0.435 ug/L
 RT: 6.537 min Scan# 1632
 Delta R.T. 0.003 min
 Lab File: VU060053.D
 Acq: 19 Jul 2024 11:50

Tgt Ion: 95 Resp: 5440
 Ion Ratio Lower Upper
 95 100
 97 70.0 45.9 85.3
 132 111.5 71.4 132.6
 130 97.4 72.1 133.9





#42

Toluene

Concen: 0.225 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.006 min

Lab File: VU060053.D

Acq: 19 Jul 2024 11:50

Instrument :

MSVOA_U

ClientSampleId :

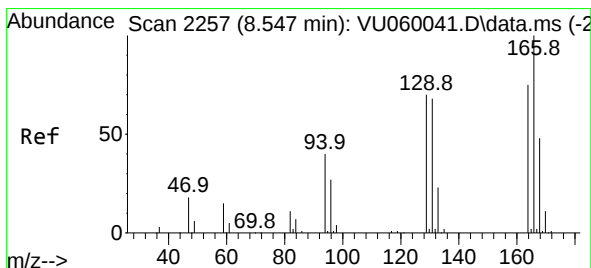
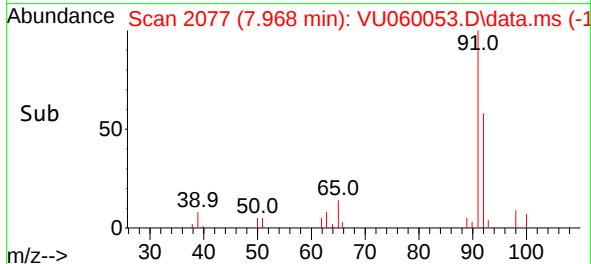
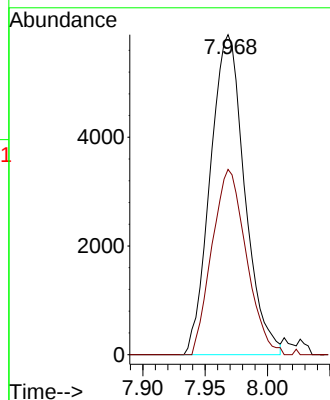
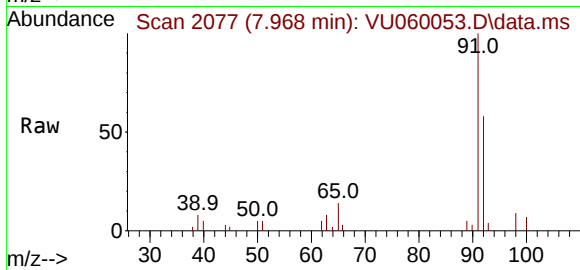
YDZC5DL

Tgt Ion: 91 Resp: 11319

Ion Ratio Lower Upper

91 100

92 57.9 39.8 73.8



#47

Tetrachloroethene

Concen: 0.813 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU060053.D

Acq: 19 Jul 2024 11:50

Tgt Ion: 164 Resp: 8418

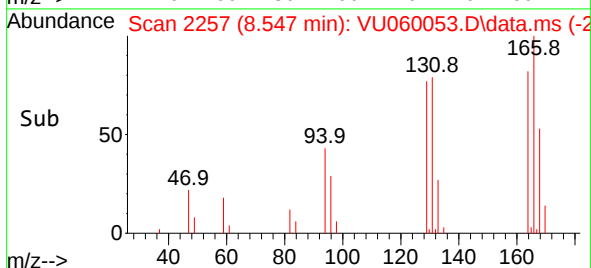
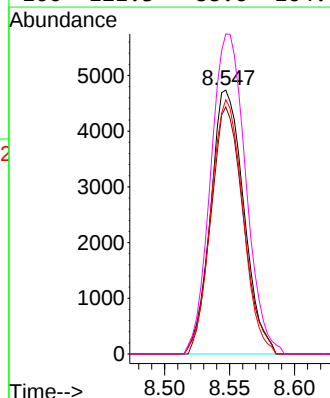
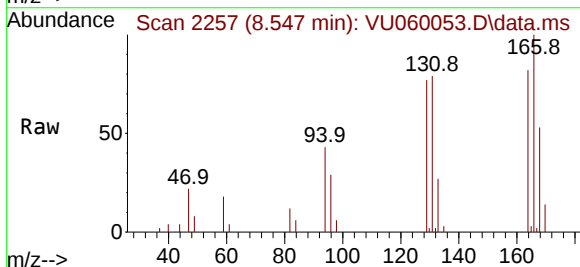
Ion Ratio Lower Upper

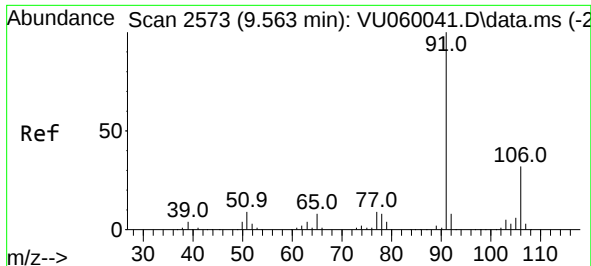
164 100

129 93.6 64.6 120.0

131 96.3 61.2 113.8

166 121.3 88.6 164.6





#52

Ethylbenzene

Concen: 0.387 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU060053.D

Acq: 19 Jul 2024 11:50

Instrument :

MSVOA_U

ClientSampleId :

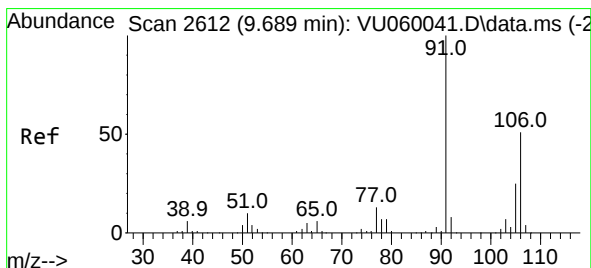
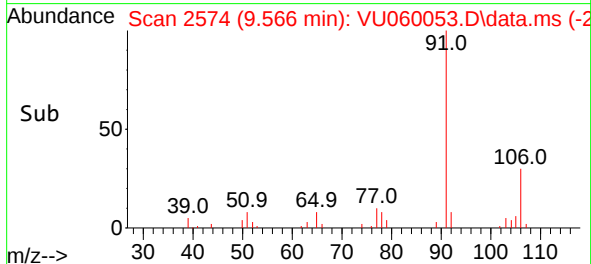
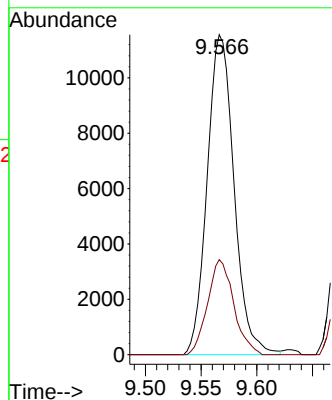
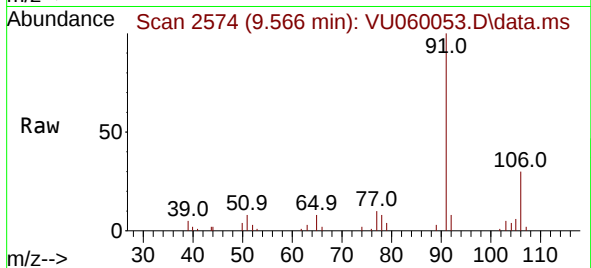
YDZC5DL

Tgt Ion: 91 Resp: 19400

Ion Ratio Lower Upper

91 100

106 29.7 21.9 40.7



#53

m,p-Xylene

Concen: 1.107 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU060053.D

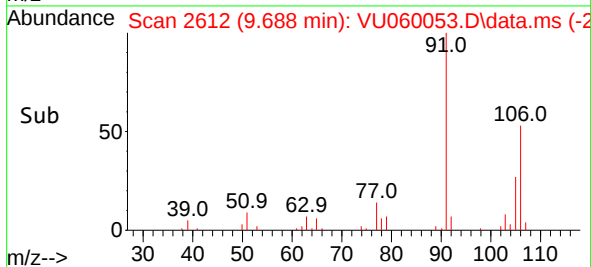
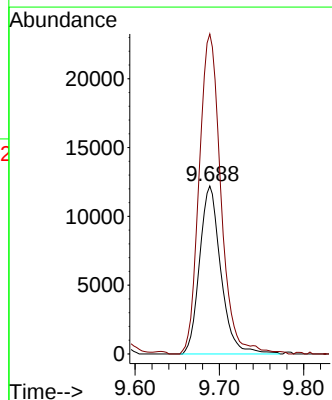
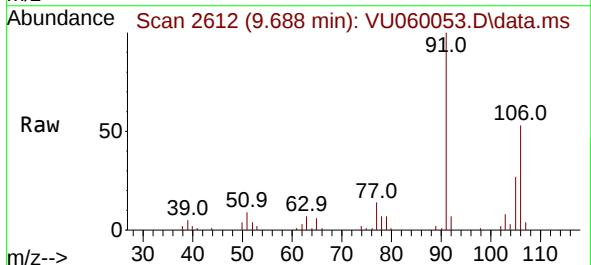
Acq: 19 Jul 2024 11:50

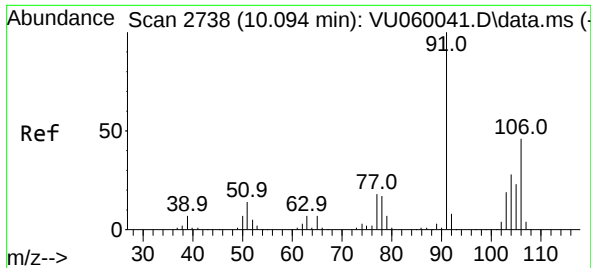
Tgt Ion:106 Resp: 21417

Ion Ratio Lower Upper

106 100

91 190.5 141.3 262.5

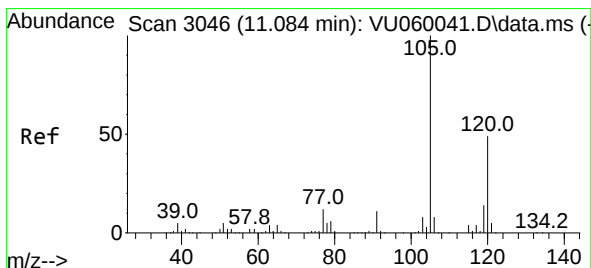
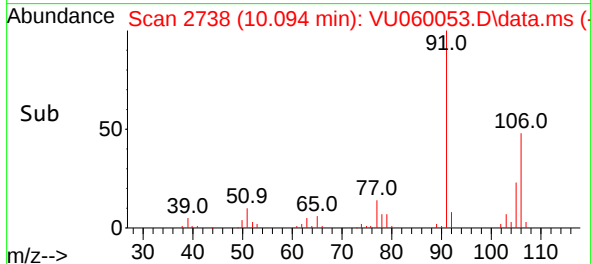
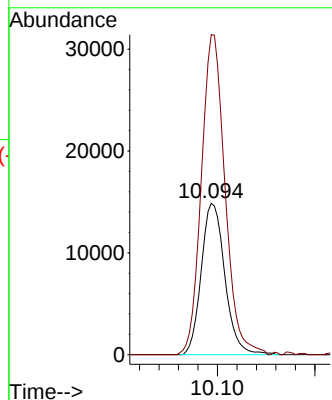
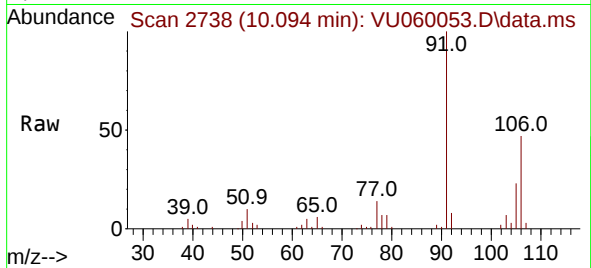




#54
o-Xylene
Concen: 1.351 ug/L
RT: 10.094 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU060053.D
Acq: 19 Jul 2024 11:50

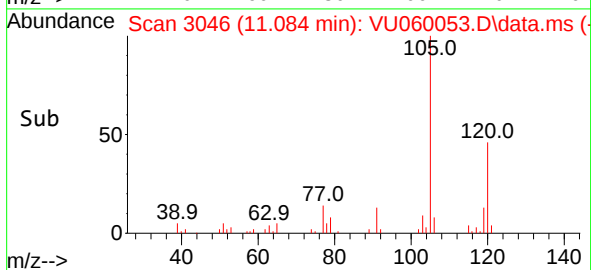
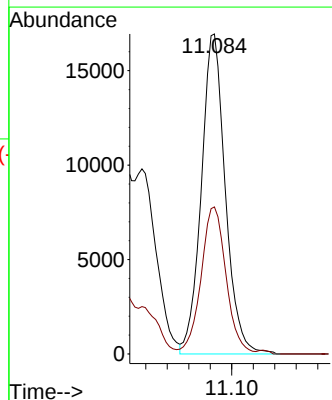
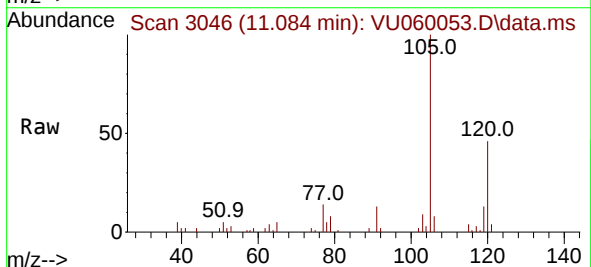
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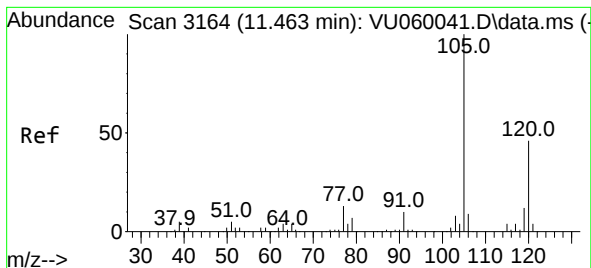
Tgt Ion:106 Resp: 25001
Ion Ratio Lower Upper
106 100
91 211.3 143.6 266.6



#62
1,3,5-Trimethylbenzene
Concen: 0.720 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU060053.D
Acq: 19 Jul 2024 11:50

Tgt Ion:105 Resp: 26263
Ion Ratio Lower Upper
105 100
120 46.3 39.4 59.2





#63

1,2,4-Trimethylbenzene

Concen: 1.211 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU060053.D

Acq: 19 Jul 2024 11:50

Instrument :

MSVOA_U

ClientSampleId :

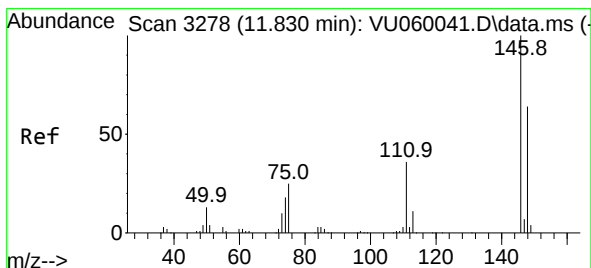
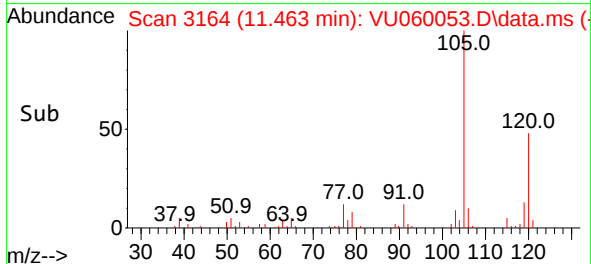
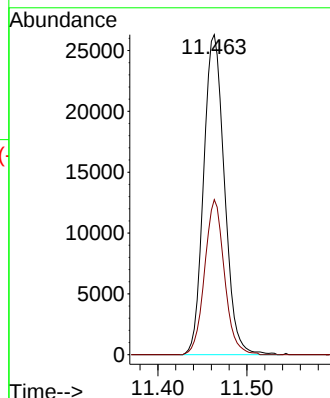
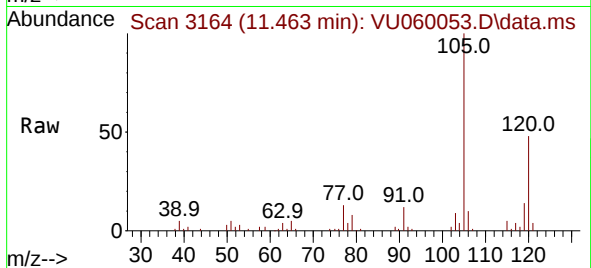
YDZC5DL

Tgt Ion:105 Resp: 42687

Ion Ratio Lower Upper

105 100

120 46.1 36.7 55.1



#65

1,4-Dichlorobenzene

Concen: 0.509 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU060053.D

Acq: 19 Jul 2024 11:50

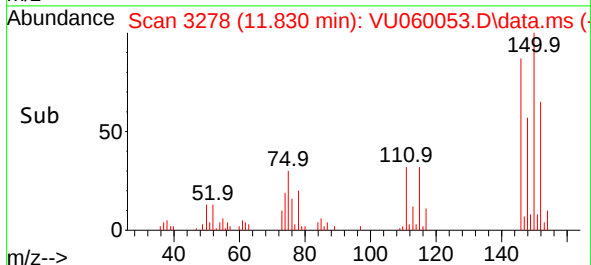
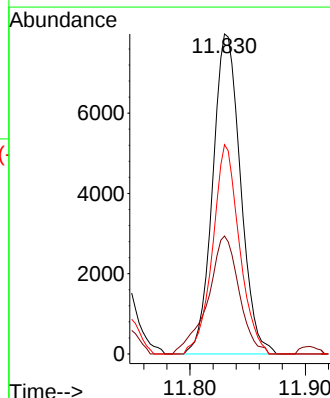
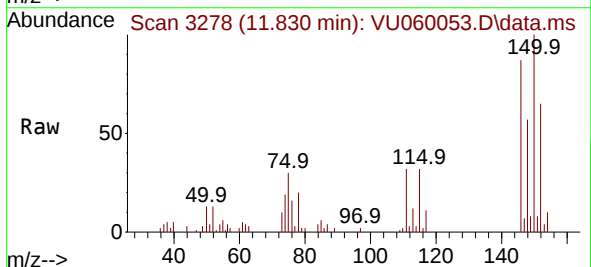
Tgt Ion:146 Resp: 13320

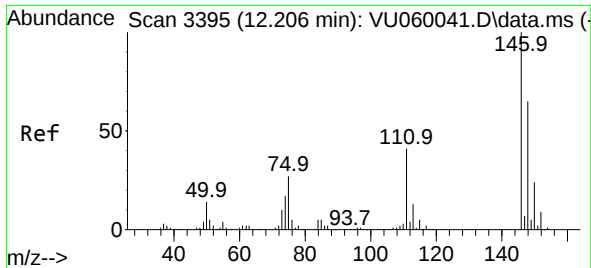
Ion Ratio Lower Upper

146 100

111 36.9 26.5 49.1

148 65.4 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 2.392 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU060053.D

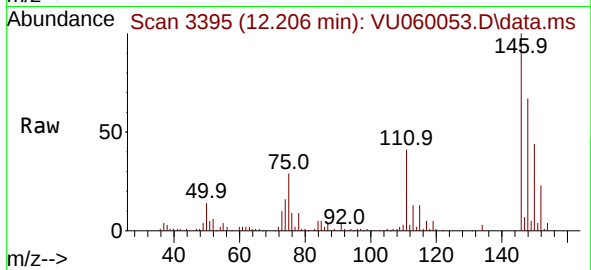
Acq: 19 Jul 2024 11:50

Instrument :

MSVOA_U

ClientSampleId :

YDZC5DL



Tgt Ion:146 Resp: 58810

Ion Ratio Lower Upper

146 100

111 40.6 30.9 46.3

148 66.9 49.8 74.8

