

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U071824\
 Data File : U071824.D
 Acq On : 18 Jul 2024 17:59
 Operator : MD/SY
 Sample : P3217-21DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZF0DL

Quant Time: Jul 19 01:36:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 19 01:30:22 2024
 Response via : Initial Calibration

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

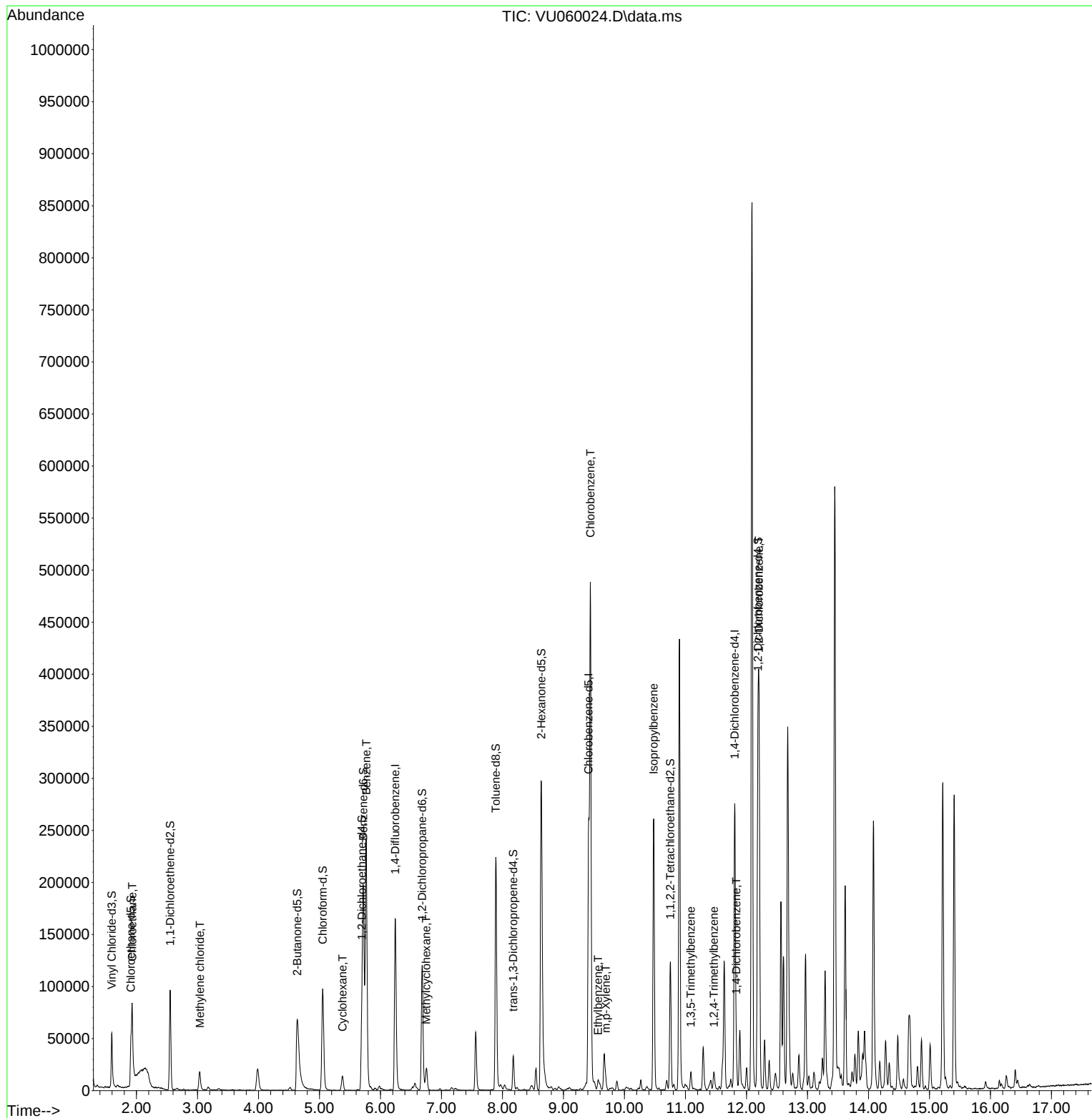
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	142333	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	145712	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	77570	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	44888	4.533	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.600%
7) Chloroethane-d5	1.908	69	43501	4.728	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.600%
11) 1,1-Dichloroethene-d2	2.551	65	17500	4.526	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.600%
20) 2-Butanone-d5	4.634	46	134544	58.112	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.220%
24) Chloroform-d	5.052	84	95738	4.600	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
26) 1,2-Dichloroethane-d4	5.695	65	48105	4.964	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.718	84	192302	4.926	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	6.682	67	62280	5.006	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.200%
41) Toluene-d8	7.891	98	159854	4.532	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	8.177	79	20525	4.847	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.000%
46) 2-Hexanone-d5	8.637	63	113603	60.455	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.920%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	60440	5.459	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	77178	5.512	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.200%
Target Compounds						Qvalue
8) Chloroethane	1.930	64	55720	5.853	ug/L	96
16) Methylene chloride	3.039	84	9823	0.737	ug/L	95
30) Cyclohexane	5.377	56	6352	0.441	ug/L	98
33) Benzene	5.766	78	245982	5.110	ug/L	100
35) Methylcyclohexane	6.750	83	8378	0.501	ug/L	93
51) Chlorobenzene	9.441	112	276257	8.255	ug/L	100
52) Ethylbenzene	9.570	91	5832	0.114	ug/L	99
53) m,p-Xylene	9.695	106	2453	0.124	ug/L	91
60) Isopropylbenzene	10.480	105	168232	3.316	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	6379	0.165	ug/L	95
63) 1,2,4-Trimethylbenzene	11.467	105	9437	0.252	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	11569	0.416	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	123825	4.738	ug/L	98

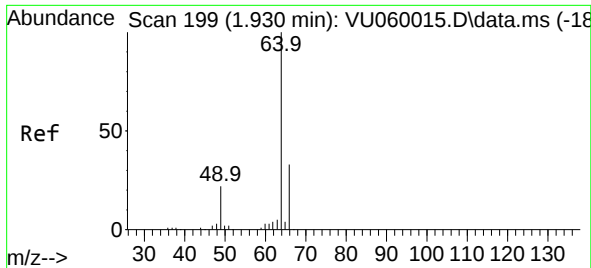
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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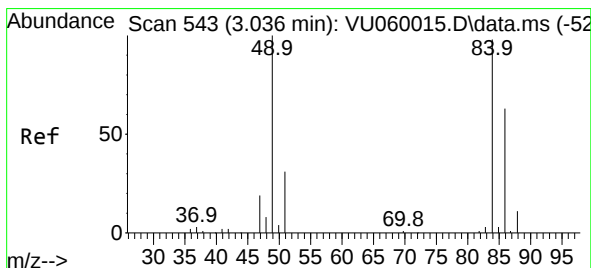
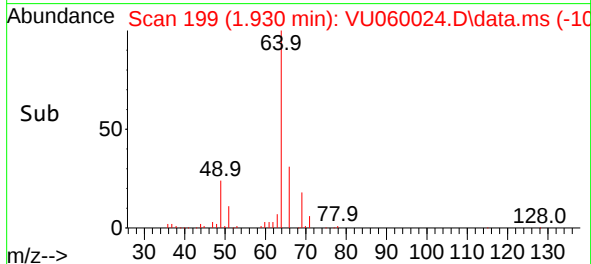
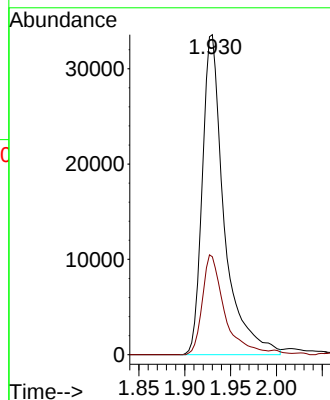
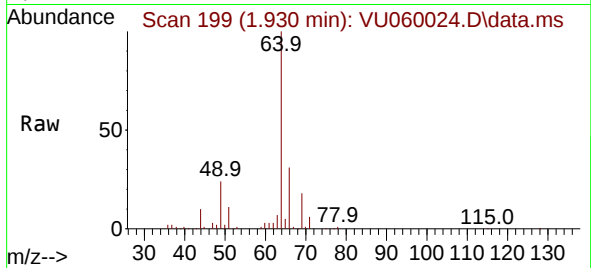




#8
Chloroethane
Concen: 5.853 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

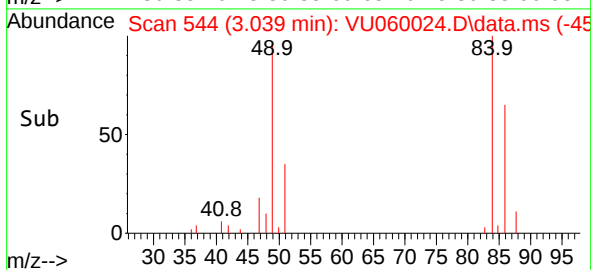
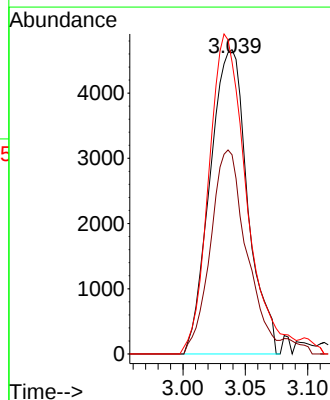
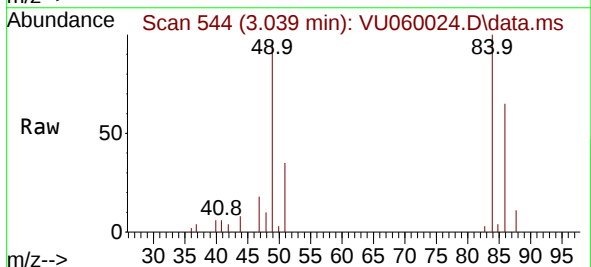
Instrument :
MSVOA_U
ClientSampleId :
YDZF0DL

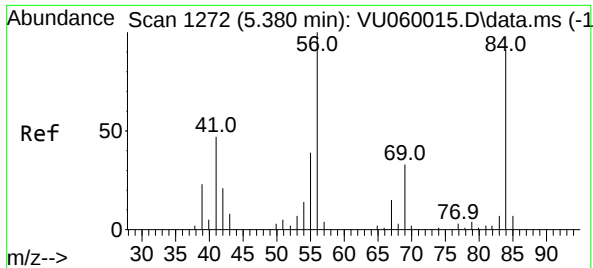
Tgt Ion: 64 Resp: 55720
Ion Ratio Lower Upper
64 100
66 30.6 22.8 42.4



#16
Methylene chloride
Concen: 0.737 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

Tgt Ion: 84 Resp: 9823
Ion Ratio Lower Upper
84 100
86 65.5 44.4 82.5
49 96.0 72.0 133.6

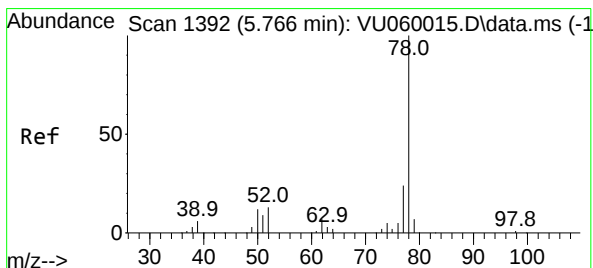
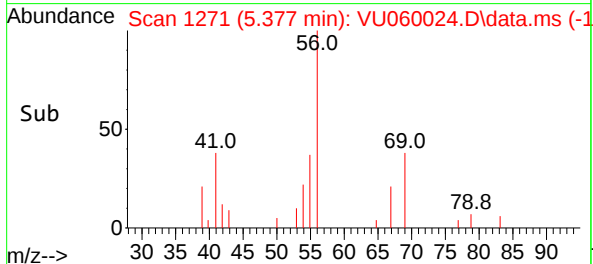
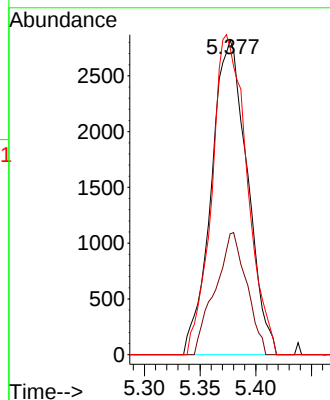
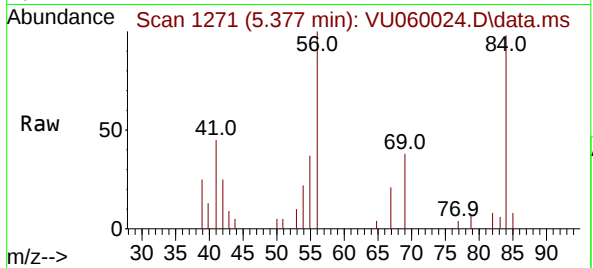




#30
Cyclohexane
Concen: 0.441 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

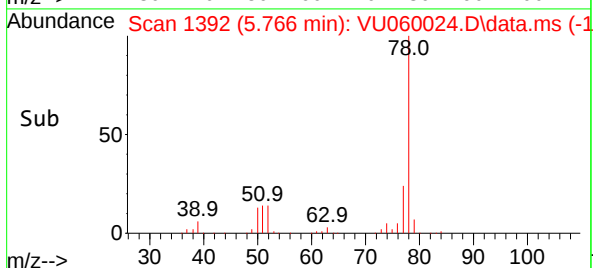
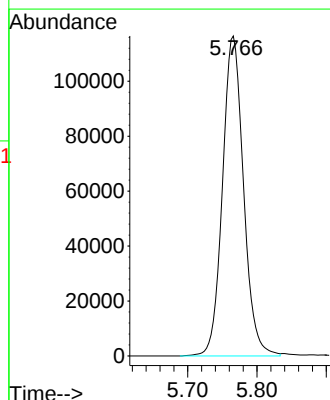
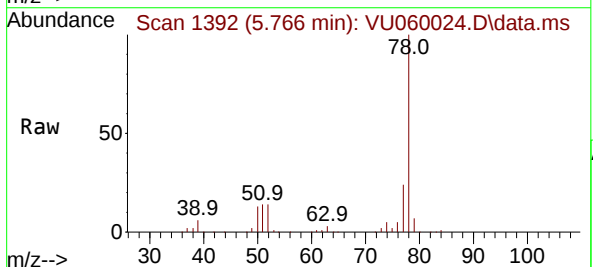
Instrument :
MSVOA_U
ClientSampleId :
YDZF0DL

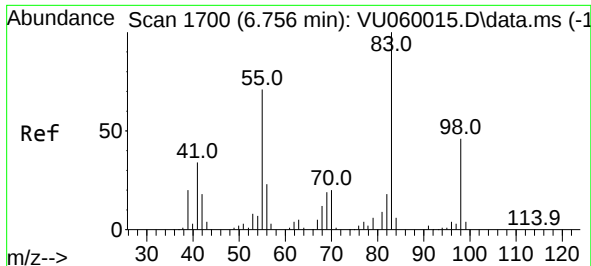
Tgt Ion: 56 Resp: 6352
Ion Ratio Lower Upper
56 100
69 33.9 26.6 39.8
84 99.4 77.2 115.8



#33
Benzene
Concen: 5.110 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

Tgt Ion: 78 Resp: 245982

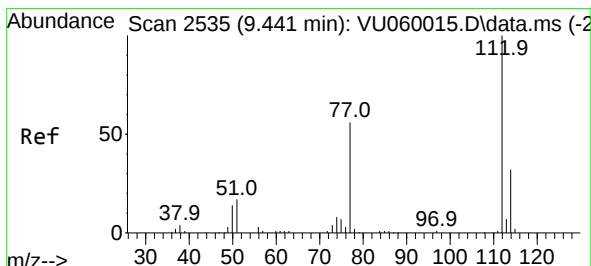
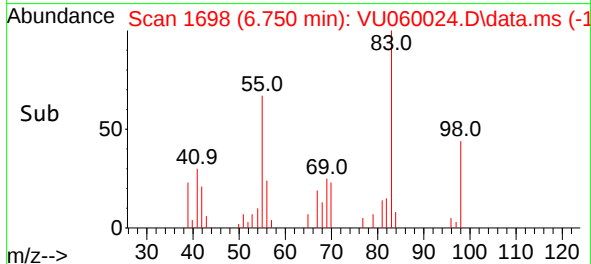
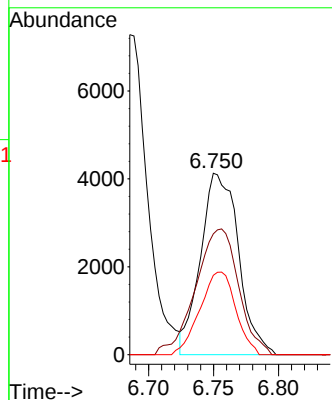
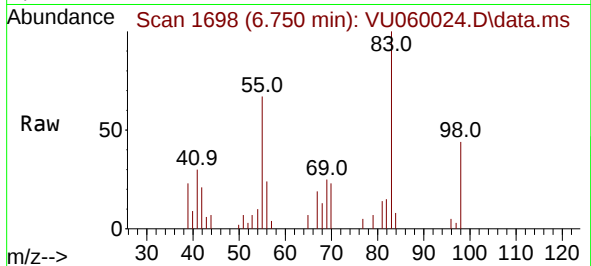




#35
Methylcyclohexane
Concen: 0.501 ug/L
RT: 6.750 min Scan# 1
Delta R.T. -0.006 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

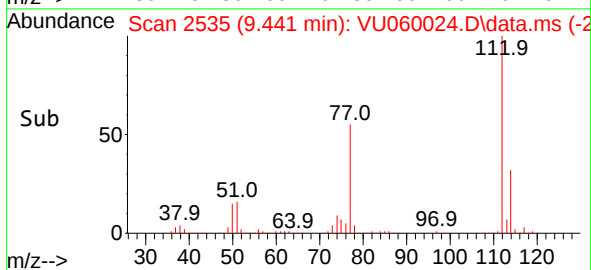
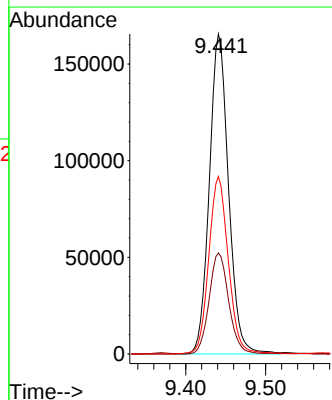
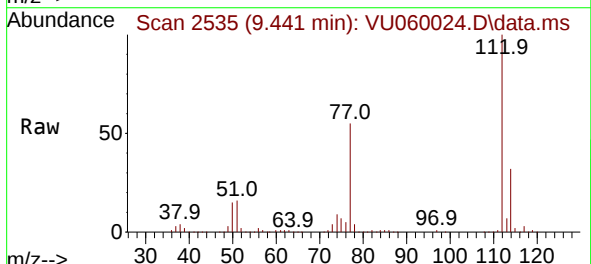
Instrument :
MSVOA_U
ClientSampleId :
YDZF0DL

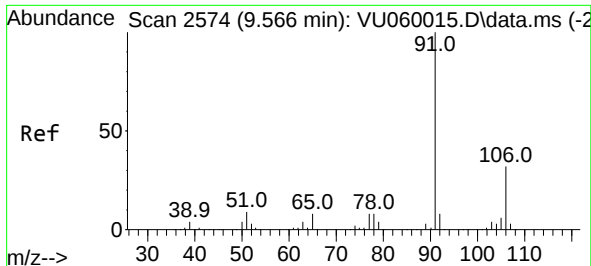
Tgt Ion: 83	Resp:	8378	
Ion	Ratio	Lower	Upper
83	100		
55	78.4	56.7	85.1
98	43.0	36.6	55.0



#51
Chlorobenzene
Concen: 8.255 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

Tgt Ion:112	Resp:	276257	
Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.1	41.1
77	55.5	44.7	67.1

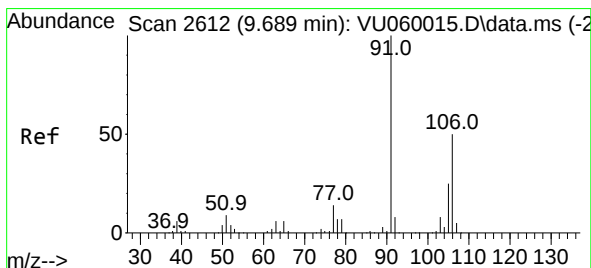
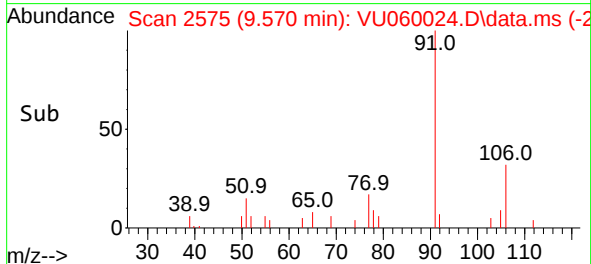
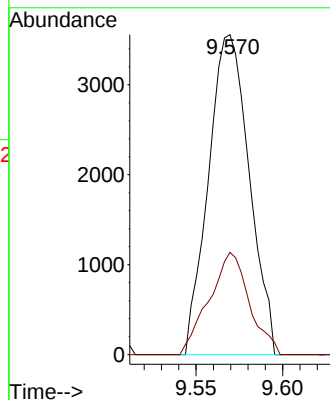
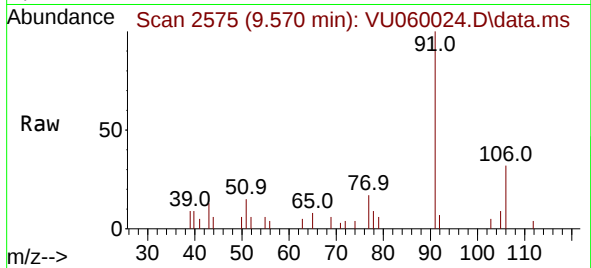




#52
Ethylbenzene
Concen: 0.114 ug/L
RT: 9.570 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

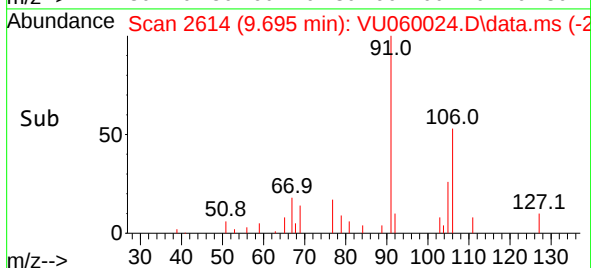
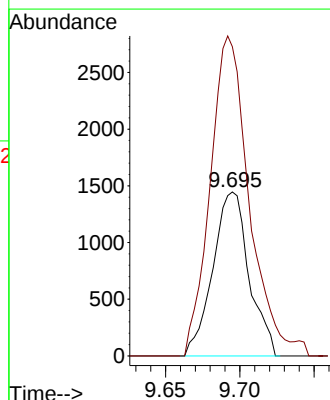
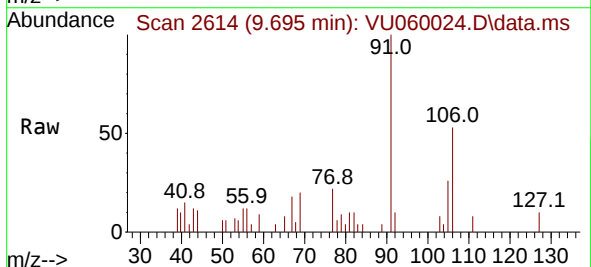
Instrument :
MSVOA_U
ClientSampleId :
YDZF0DL

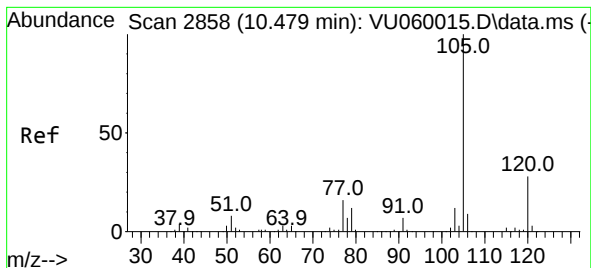
Tgt Ion: 91 Resp: 5832
Ion Ratio Lower Upper
91 100
106 31.9 21.9 40.7



#53
m,p-Xylene
Concen: 0.124 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.006 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

Tgt Ion: 106 Resp: 2453
Ion Ratio Lower Upper
106 100
91 188.6 141.3 262.5





#60

Isopropylbenzene

Concen: 3.316 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU060024.D

Acq: 18 Jul 2024 17:59

Instrument :

MSVOA_U

ClientSampleId :

YDZF0DL

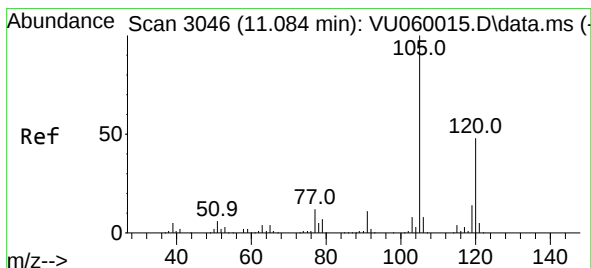
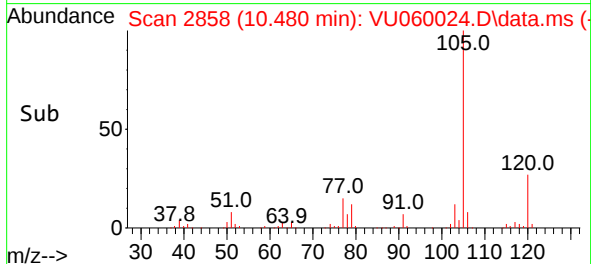
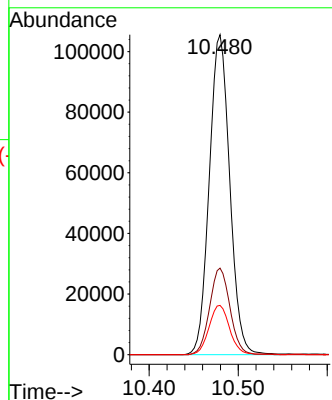
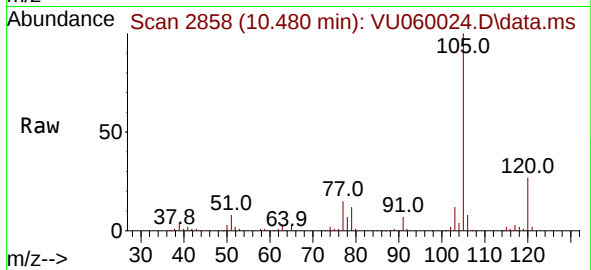
Tgt Ion:105 Resp: 168232

Ion Ratio Lower Upper

105 100

120 26.9 21.9 32.9

77 15.6 12.1 18.1



#62

1,3,5-Trimethylbenzene

Concen: 0.165 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.003 min

Lab File: VU060024.D

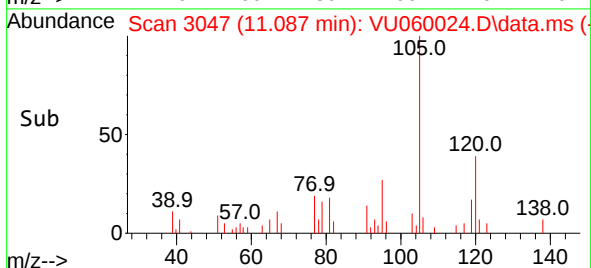
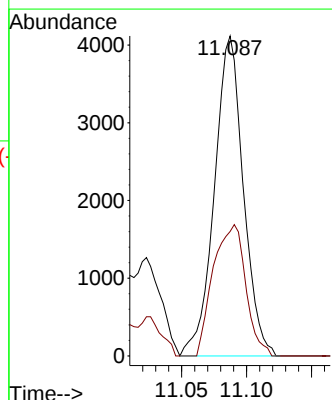
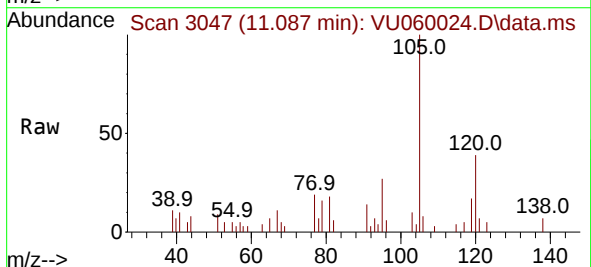
Acq: 18 Jul 2024 17:59

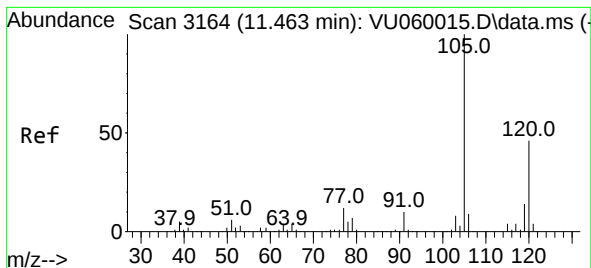
Tgt Ion:105 Resp: 6379

Ion Ratio Lower Upper

105 100

120 46.1 39.4 59.2





#63

1,2,4-Trimethylbenzene

Concen: 0.252 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU060024.D

Acq: 18 Jul 2024 17:59

Instrument :

MSVOA_U

ClientSampleId :

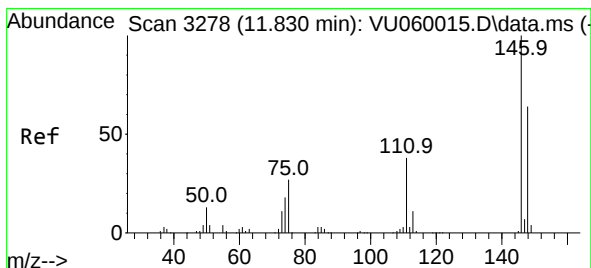
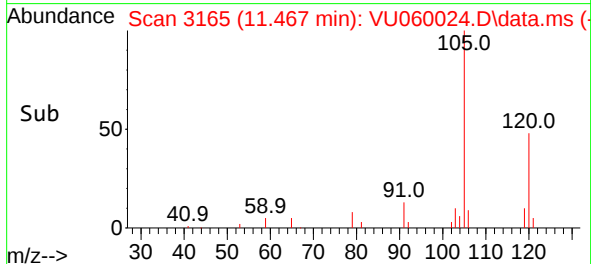
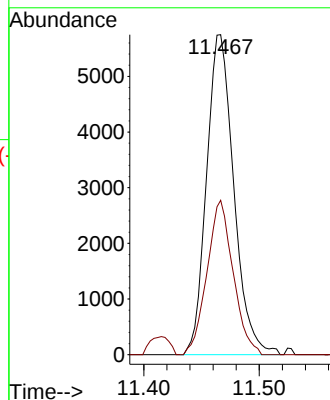
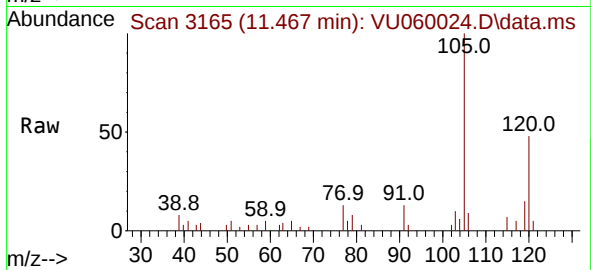
YDZF0DL

Tgt Ion:105 Resp: 9437

Ion Ratio Lower Upper

105 100

120 46.2 36.7 55.1



#65

1,4-Dichlorobenzene

Concen: 0.416 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU060024.D

Acq: 18 Jul 2024 17:59

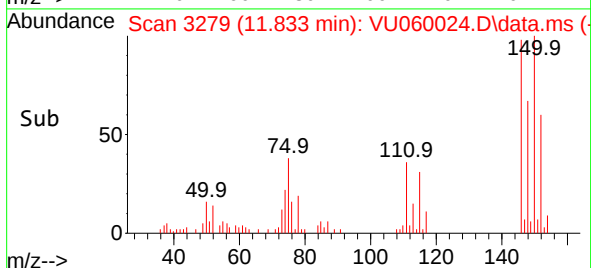
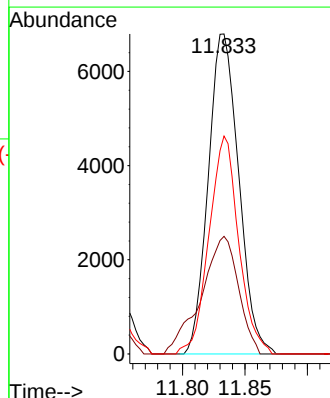
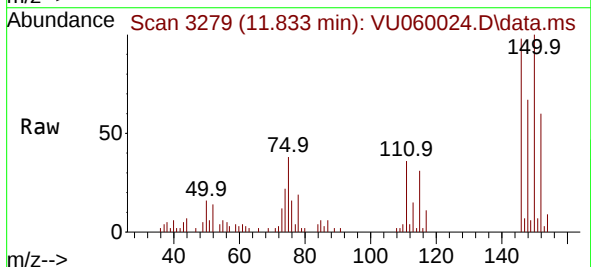
Tgt Ion:146 Resp: 11569

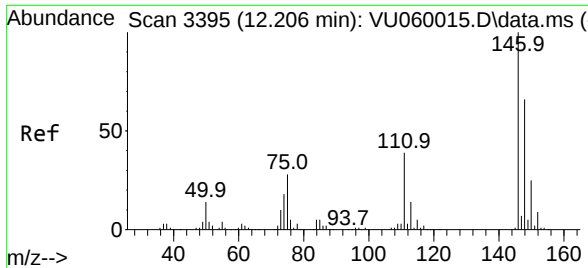
Ion Ratio Lower Upper

146 100

111 36.7 26.5 49.1

148 68.1 45.3 84.1





#67
1,2-Dichlorobenzene
Concen: 4.738 ug/L
RT: 12.206 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

Instrument :
MSVOA_U
ClientSampleId :
YDZF0DL

Tgt Ion:146 Resp: 123825
Ion Ratio Lower Upper
146 100
111 39.5 30.9 46.3
148 64.1 49.8 74.8

