

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060024.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 :

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
27) 1,2-Dichloroethane	5.763	62	1964	0.146	ug/L #	73
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
37) 1,2-Dichloropropane	6.679	63	6285	0.483	ug/L #	88
47) Tetrachloroethene	8.550	164	4949	0.469	ug/L	92
49) Dibromochloromethane	8.547	129	4691	0.427	ug/L #	10
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
61) 1,2,3-Trichloropropane	10.898	75	1980	0.242	ug/L #	1
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
68) 1,2-Dibromo-3-chloropr...	12.975	75	462	0.290	ug/L #	1

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QLast Update : Fri Jul 19 01:30:22 2024
Response via : Initial Calibration

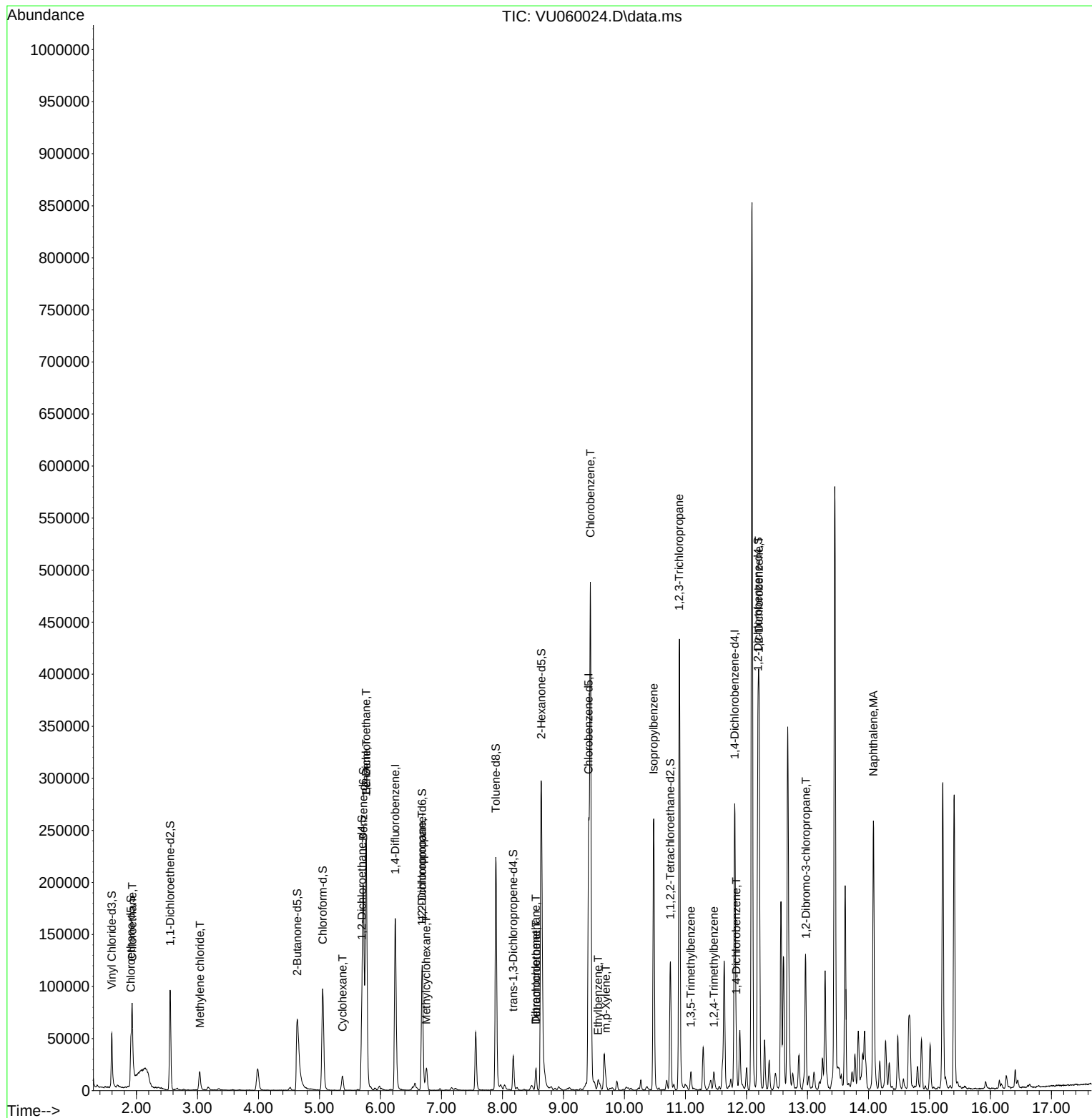
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.081	128	217354	9.783	ug/L	99

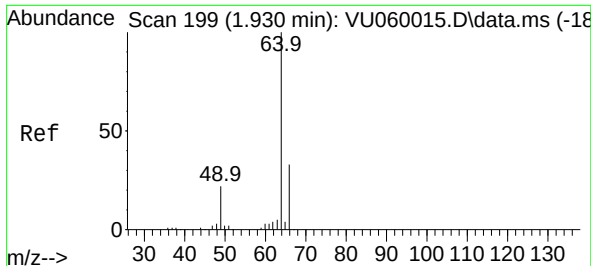
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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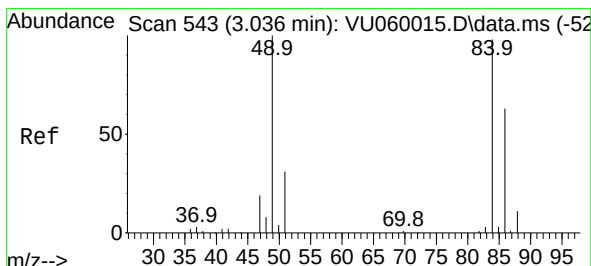
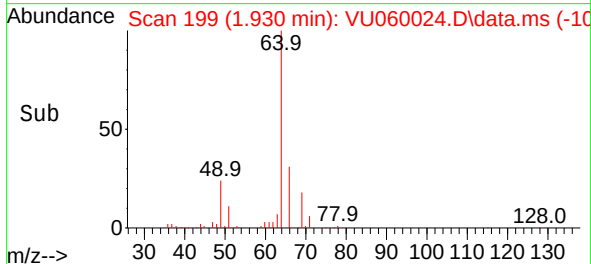
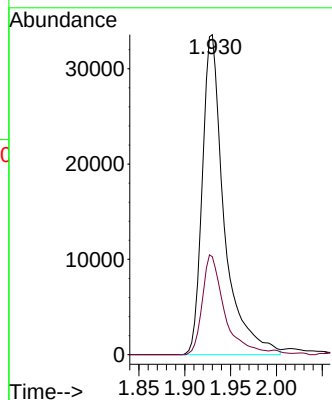
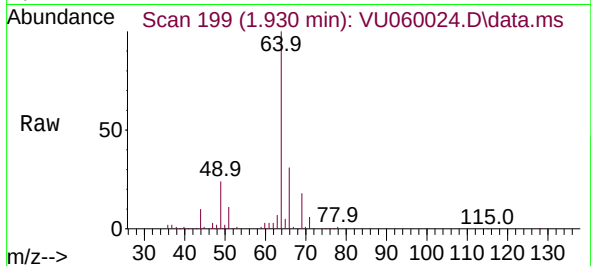




#8
Chloroethane
Concen: 5.853 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

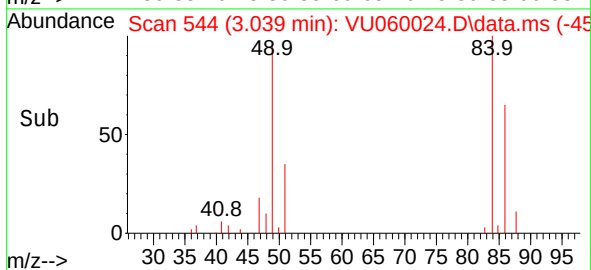
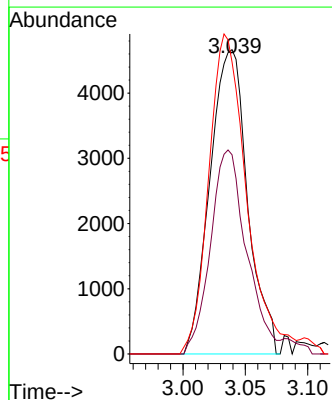
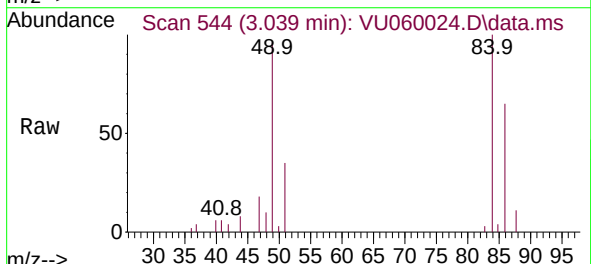
Instrument :
MSVOA_U
ClientSampleId :

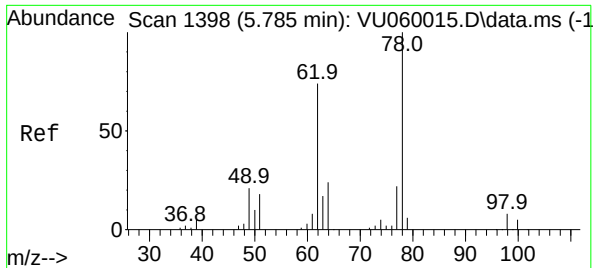
Tgt Ion: 64 Resp: 55720
Ion Ratio Lower Upper
64 100
66 30.6 22.8 42.4



#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

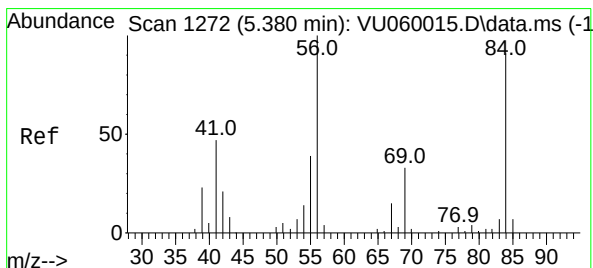
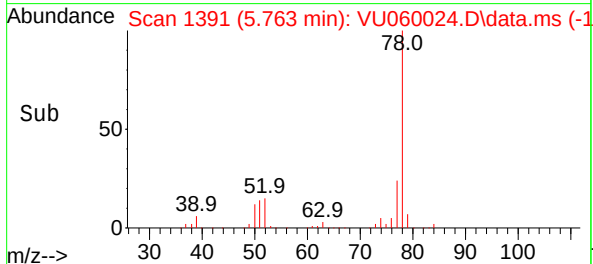
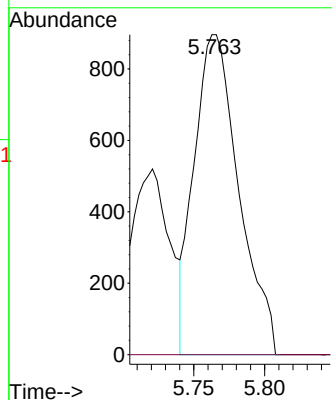
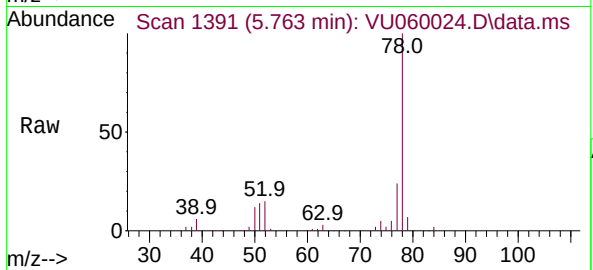




#27
1,2-Dichloroethane
Concen: 0.146 ug/L
RT: 5.763 min Scan# 11
Delta R.T. -0.022 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

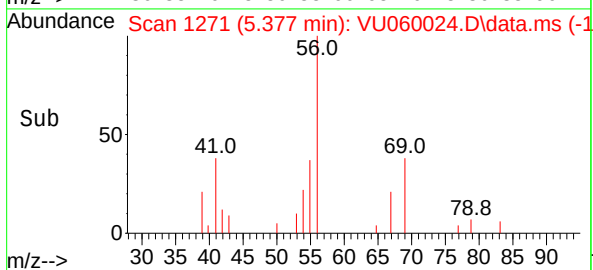
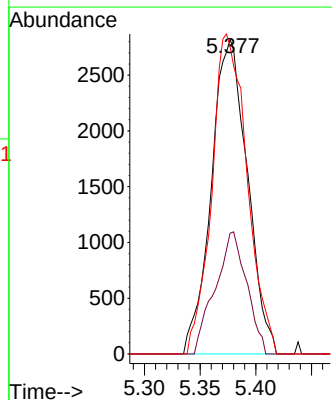
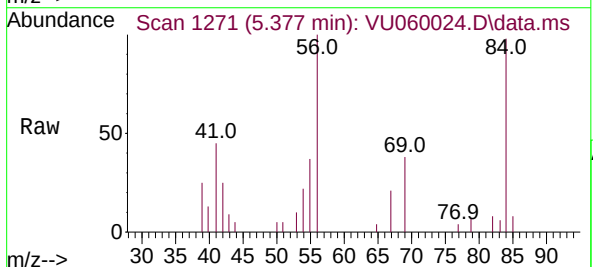
Instrument :
MSVOA_U
ClientSampleId :

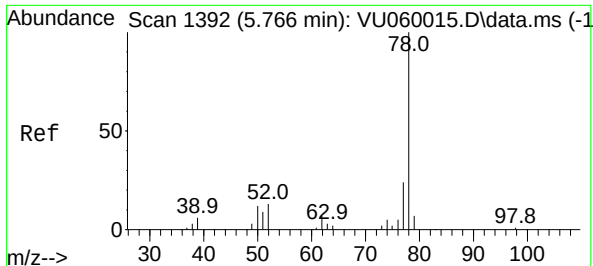
Tgt Ion: 62 Resp: 1964
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#



#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

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

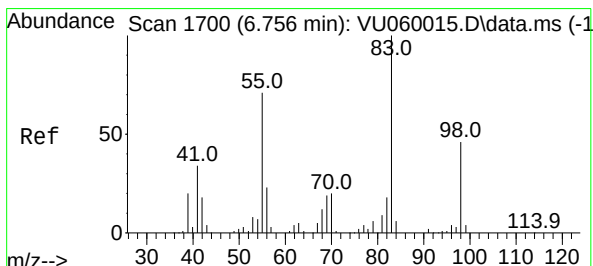
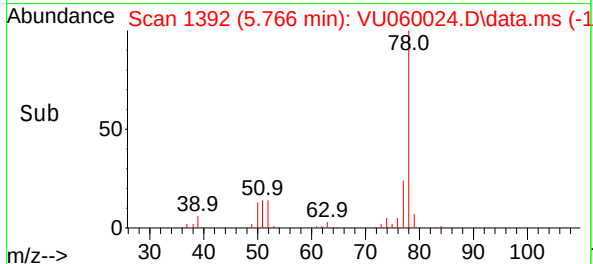
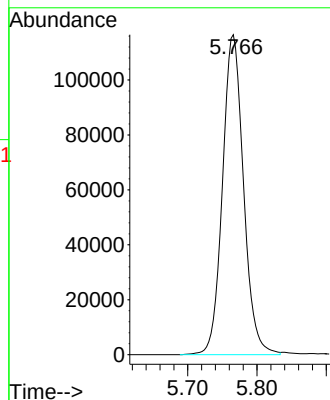
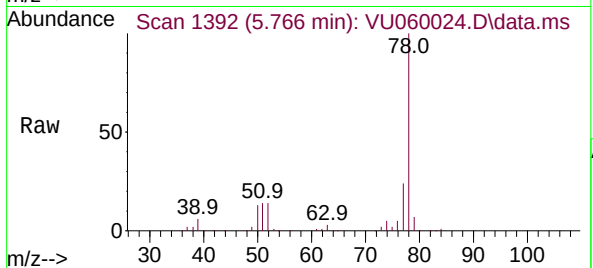




#33
Benzene
Concen: 5.110 ug/L
RT: 5.766 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

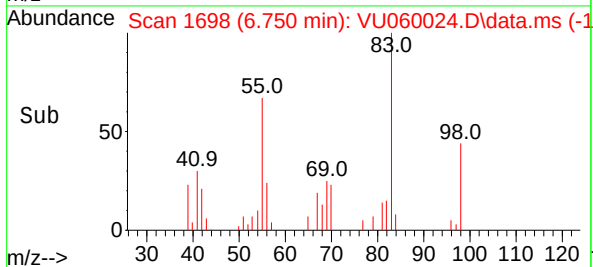
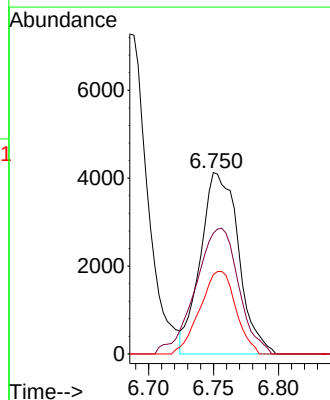
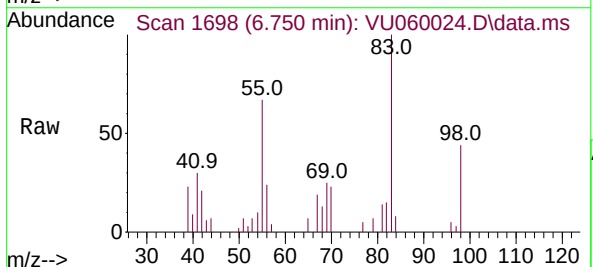
Instrument :
MSVOA_U
ClientSampleId :

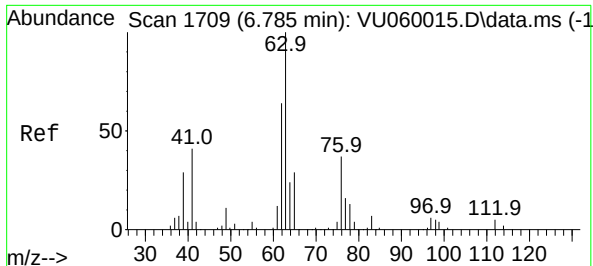
Tgt Ion: 78 Resp: 245982



#35
Methylcyclohexane
Concen: 0.501 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

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





#37

1,2-Dichloropropane

Concen: 0.483 ug/L

RT: 6.679 min Scan# 1

Delta R.T. -0.106 min

Lab File: VU060024.D

Acq: 18 Jul 2024 17:59

Instrument :

MSVOA_U

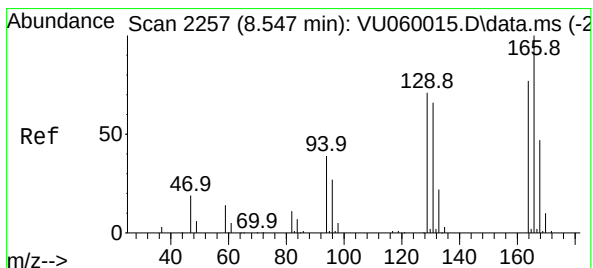
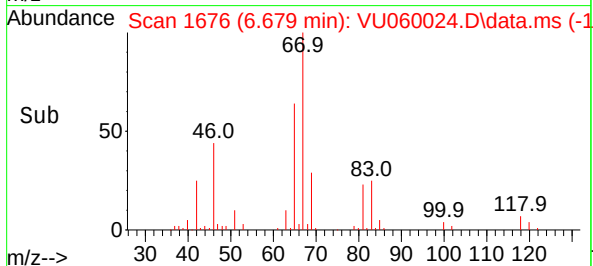
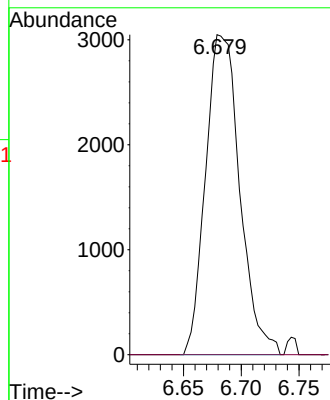
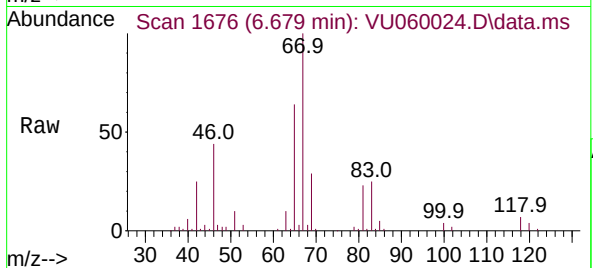
ClientSampleId :

Tgt Ion: 63 Resp: 6285

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#47

Tetrachloroethene

Concen: 0.469 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU060024.D

Acq: 18 Jul 2024 17:59

Tgt Ion:164 Resp: 4949

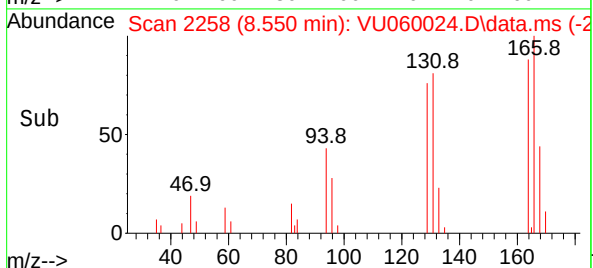
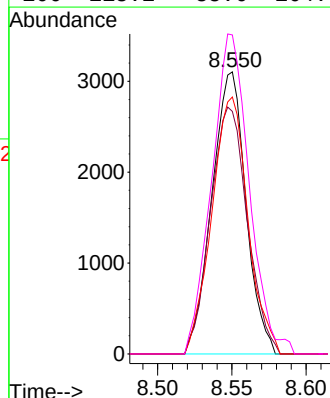
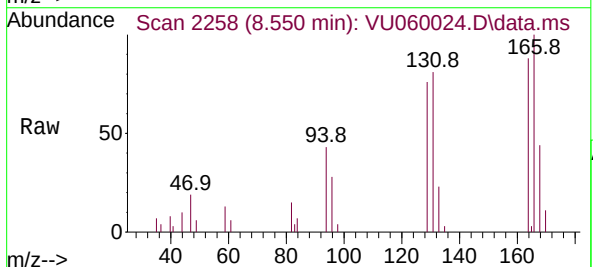
Ion Ratio Lower Upper

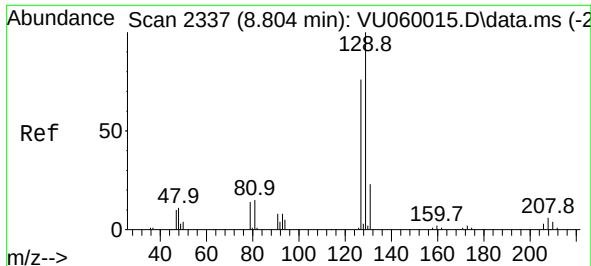
164 100

129 86.0 64.6 120.0

131 91.1 61.2 113.8

166 113.1 88.6 164.6





#49

Dibromochloromethane

Concen: 0.427 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU060024.D

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Instrument :

MSVOA_U

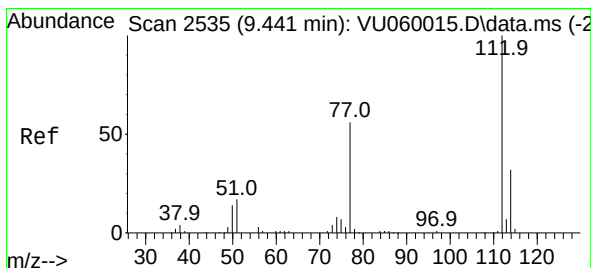
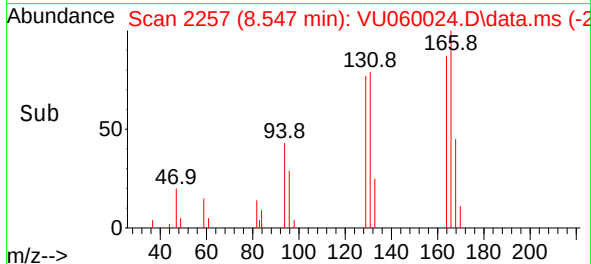
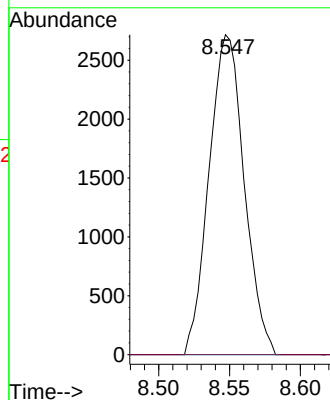
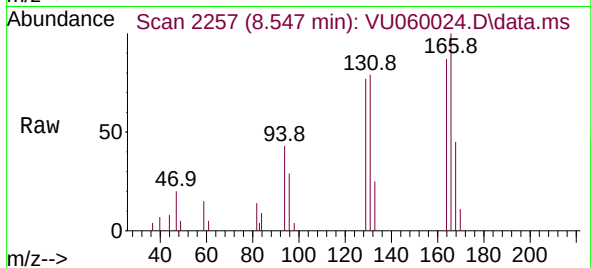
ClientSampleId :

Tgt Ion:129 Resp: 4691

Ion Ratio Lower Upper

129 100

127 0.0 54.6 101.4#



#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

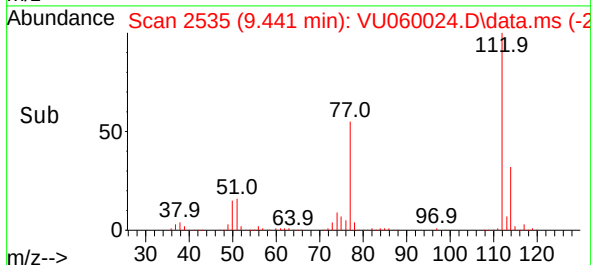
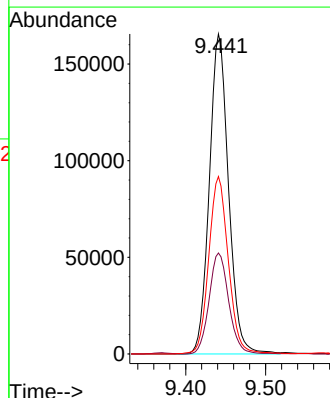
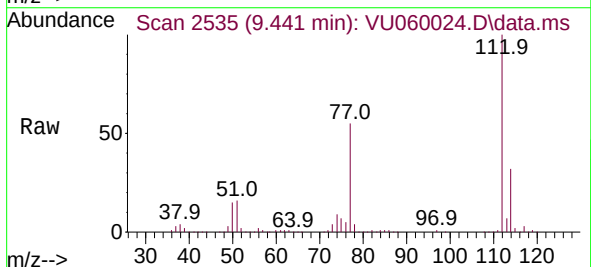
Tgt Ion:112 Resp: 276257

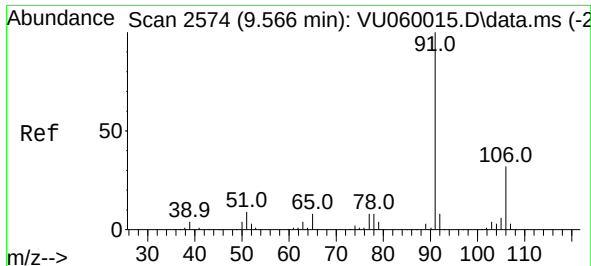
Ion Ratio Lower Upper

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# 2574

Delta R.T. 0.003 min

Lab File: VU060024.D

Acq: 18 Jul 2024 17:59

Instrument :

MSVOA_U

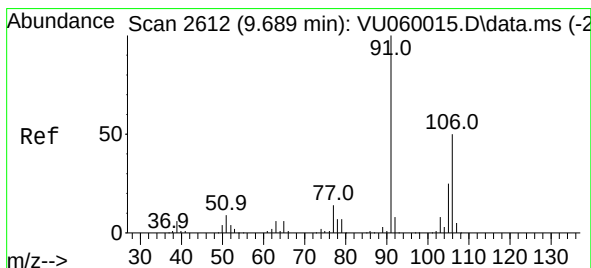
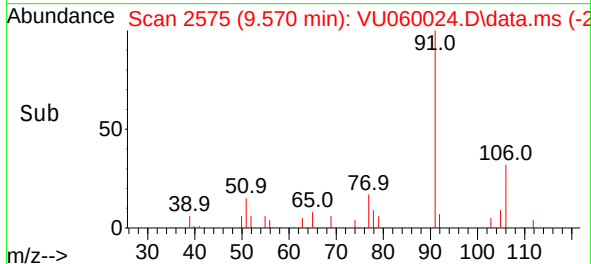
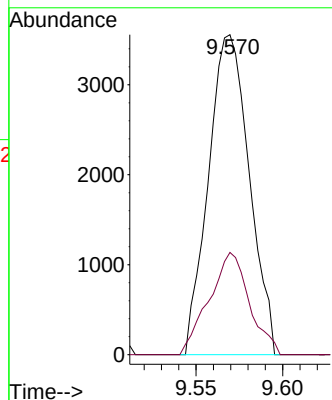
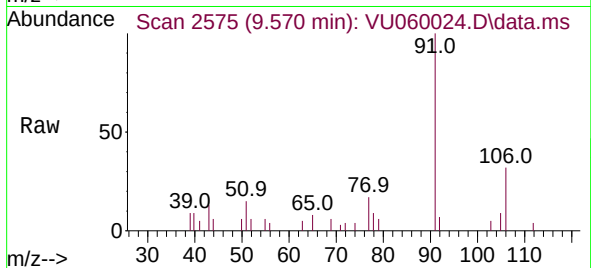
ClientSampleId :

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

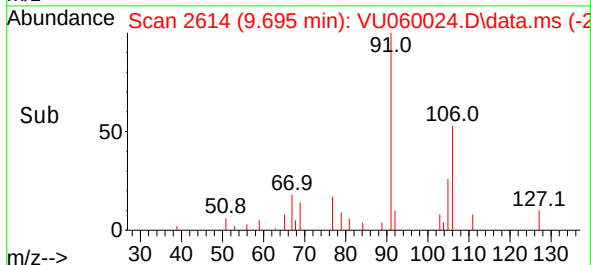
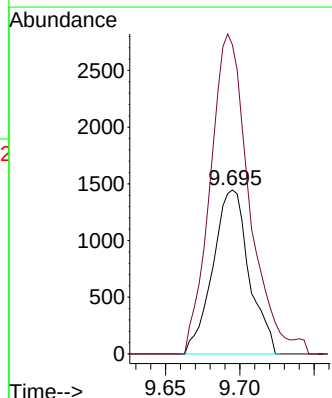
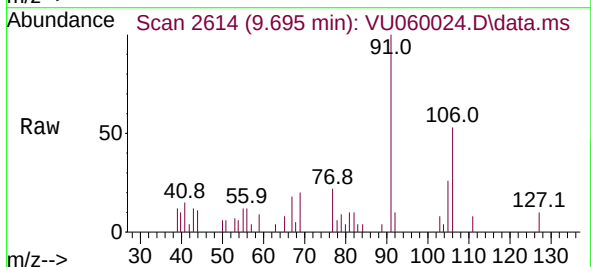
Acq: 18 Jul 2024 17:59

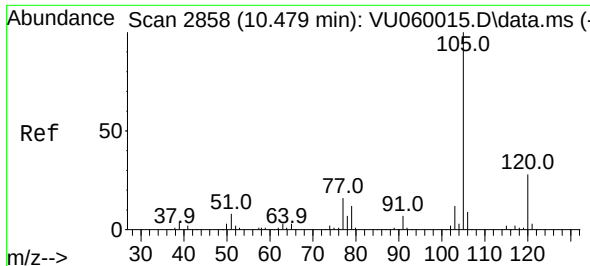
Tgt Ion:106 Resp: 2453

Ion Ratio Lower Upper

106 100

91 188.6 141.3 262.5

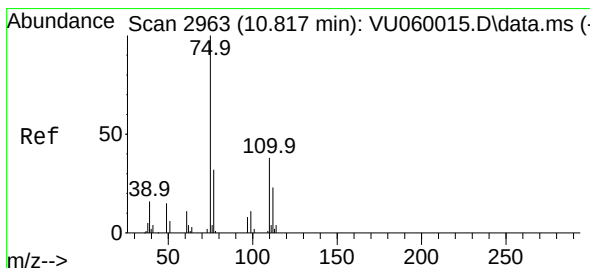
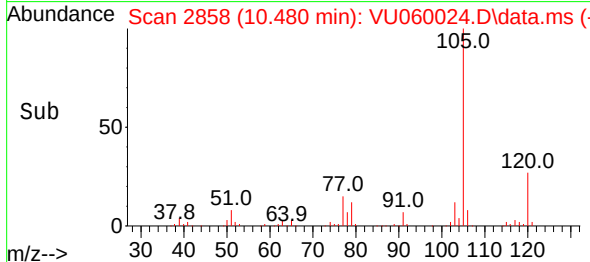
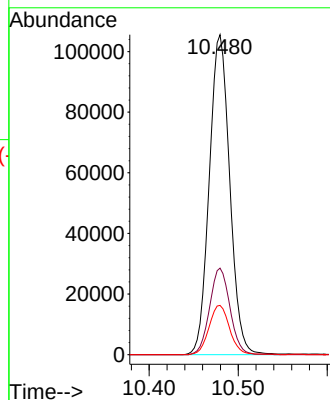
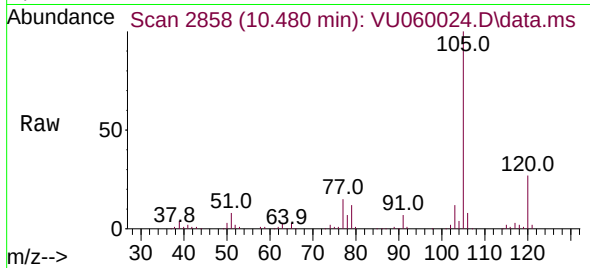




#60
Isopropylbenzene
Concen: 3.316 ug/L
RT: 10.480 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

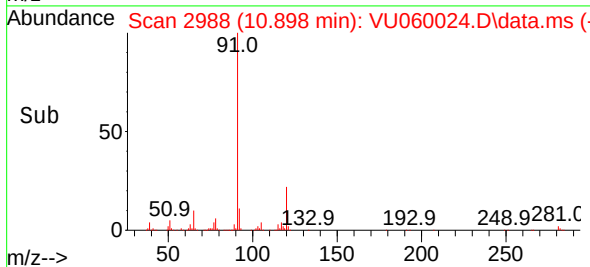
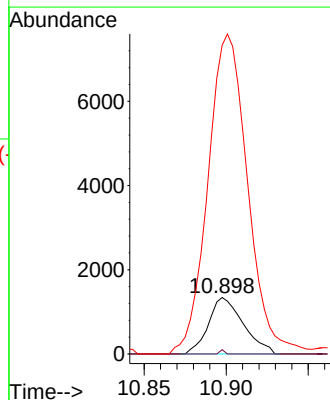
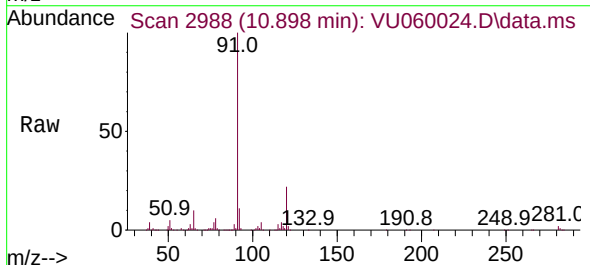
Instrument :
MSVOA_U
ClientSampleId :

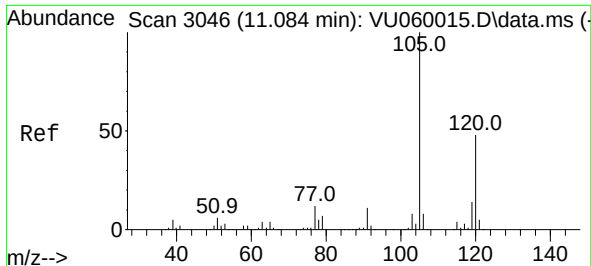
Tgt Ion:105 Resp: 168232
Ion Ratio Lower Upper
105 100
120 26.9 21.9 32.9
77 15.6 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 0.242 ug/L
RT: 10.898 min Scan# 2988
Delta R.T. 0.080 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

Tgt Ion: 75 Resp: 1980
Ion Ratio Lower Upper
75 100
110 0.0 30.8 46.2#
77 647.0 26.2 39.2#





#62

1,3,5-Trimethylbenzene

Concen: 0.165 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU060024.D

Acq: 18 Jul 2024 17:59

Instrument :

MSVOA_U

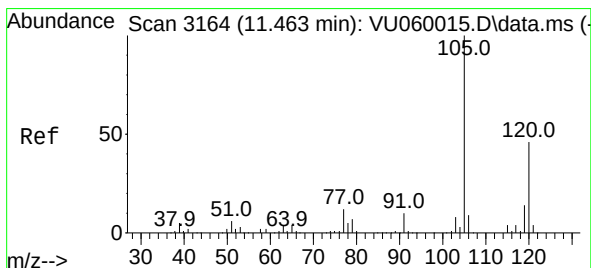
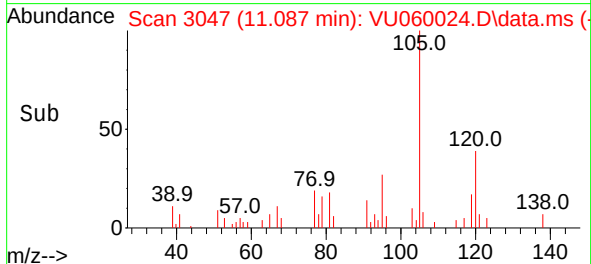
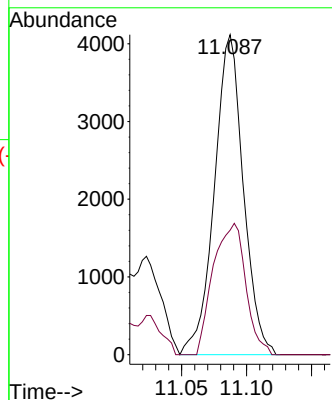
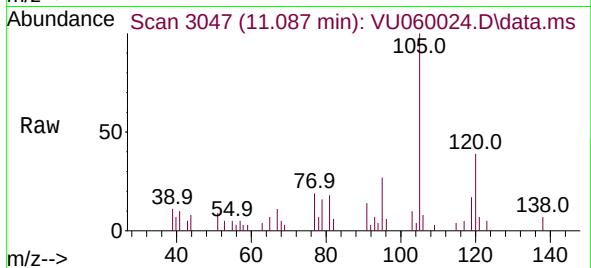
ClientSampleId :

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

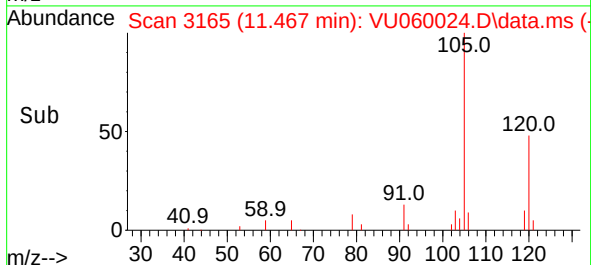
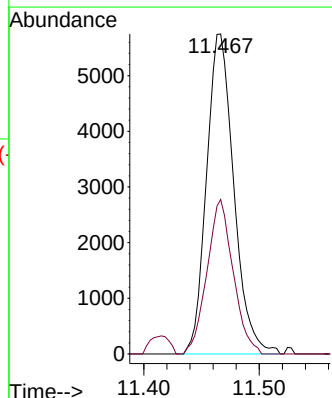
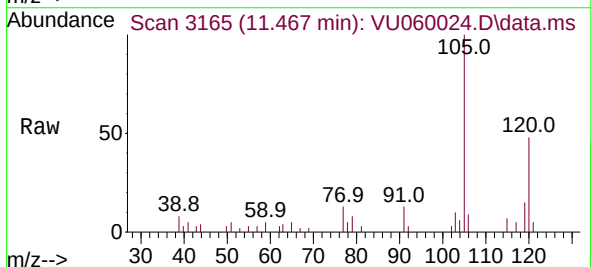
Acq: 18 Jul 2024 17:59

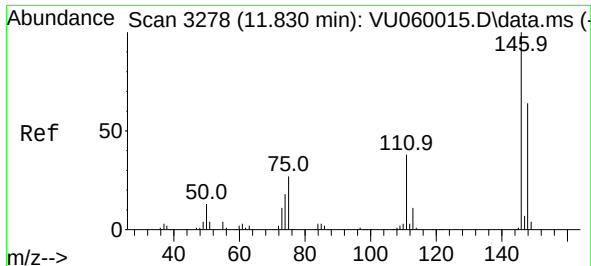
Tgt Ion:105 Resp: 9437

Ion Ratio Lower Upper

105 100

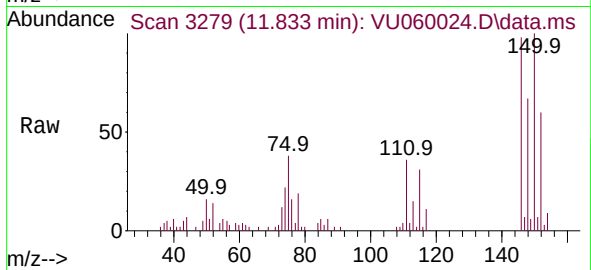
120 46.2 36.7 55.1



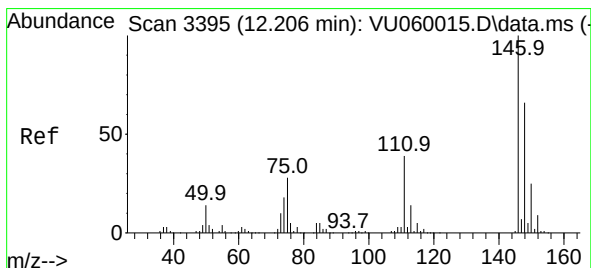
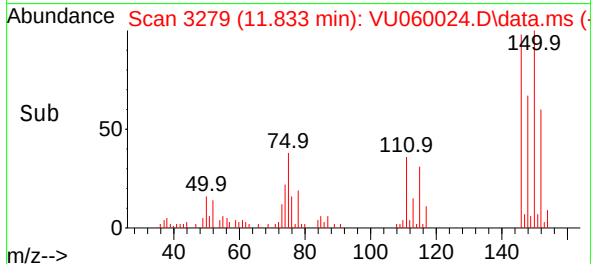
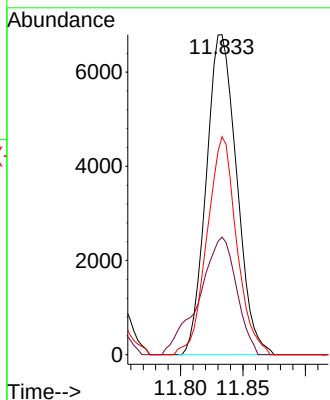


#65
1,4-Dichlorobenzene
Concen: 0.416 ug/L
RT: 11.833 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

Instrument :
MSVOA_U
ClientSampleId :

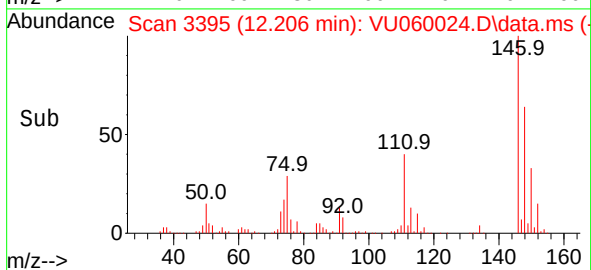
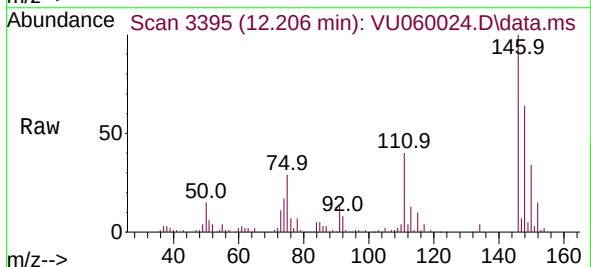
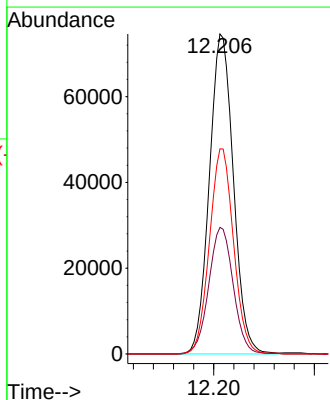


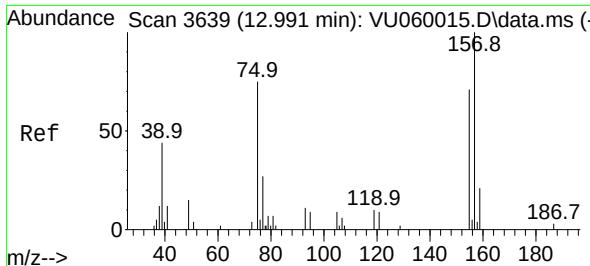
Tgt Ion:146 Resp: 11569
Ion Ratio Lower Upper
146 100
111 36.7 26.5 49.1
148 68.1 45.3 84.1



#67
1,2-Dichlorobenzene
Concen: 4.738 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

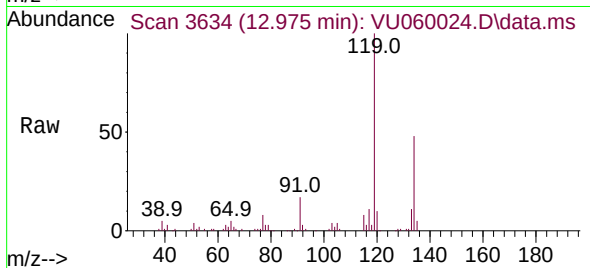
Tgt Ion:146 Resp: 123825
Ion Ratio Lower Upper
146 100
111 39.5 30.9 46.3
148 64.1 49.8 74.8



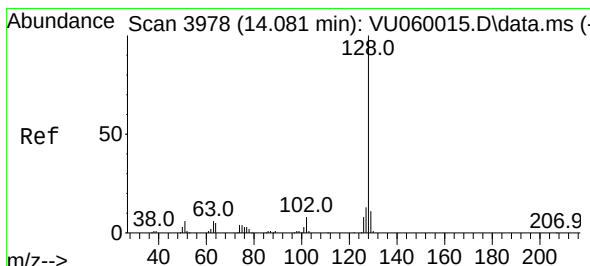
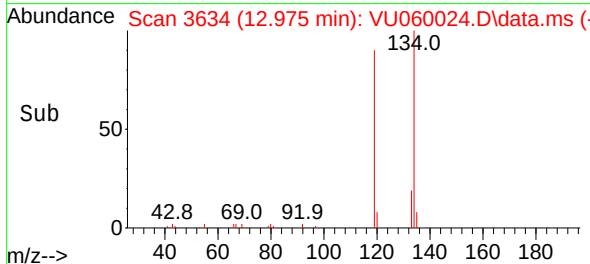
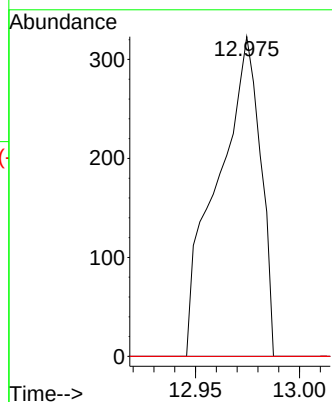


#68
1,2-Dibromo-3-chloropropane
Concen: 0.290 ug/L
RT: 12.975 min Scan# 3634
Delta R.T. -0.016 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 462
Ion Ratio Lower Upper
75 100
155 0.0 70.6 105.8#
157 0.0 99.4 149.2#



#71
Naphthalene
Concen: 9.783 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU060024.D
Acq: 18 Jul 2024 17:59

Tgt Ion: 128 Resp: 217354
Ion Ratio Lower Upper
128 100
129 11.4 8.2 12.4
127 13.3 10.6 16.0

