

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060048.D
 Acq On : 19 Jul 2024 09:53
 Operator : MD/SY
 Sample : P3217-03DL2 1000X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 20 00:55:45 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)

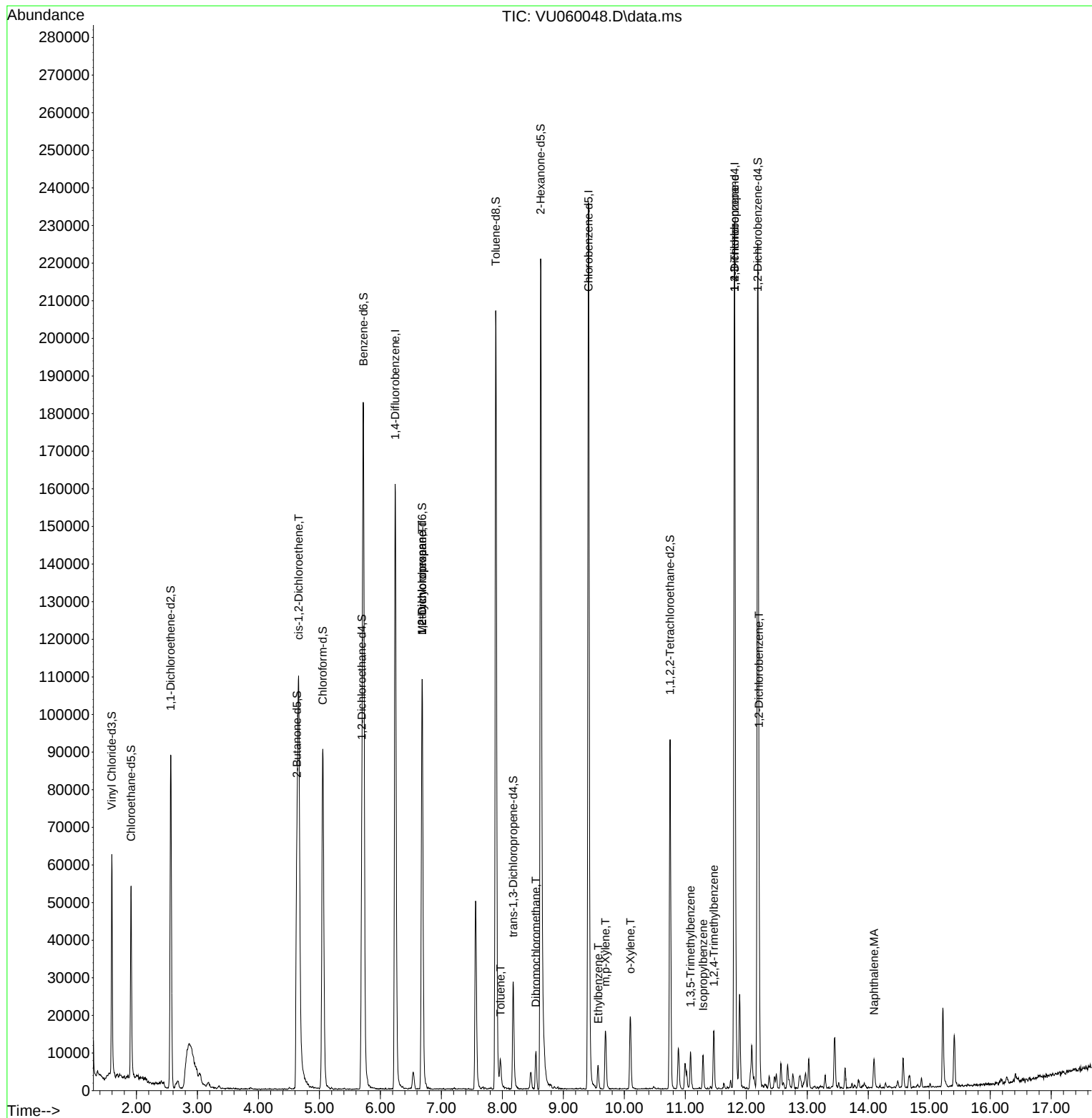
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	142494	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	142632	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	68768	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	40494	4.084	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.600%
7) Chloroethane-d5	1.911	69	39243	4.261	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.200%
11) 1,1-Dichloroethene-d2	2.560	65	16712	4.317	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.400%
20) 2-Butanone-d5	4.631	46	104514	45.090	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.180%
24) Chloroform-d	5.055	84	91199	4.377	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
26) 1,2-Dichloroethane-d4	5.695	65	42991	4.431	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
32) Benzene-d6	5.721	84	182531	4.776	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
36) 1,2-Dichloropropane-d6	6.682	67	57807	4.747	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.000%
41) Toluene-d8	7.891	98	149280	4.323	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	8.177	79	19180	4.627	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.600%
46) 2-Hexanone-d5	8.627	63	83489	45.389	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.780%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	47863	4.416	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	62220	5.013	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.200%
Target Compounds						Qvalue
22) cis-1,2-Dichloroethene	4.660	96	47196	3.724	ug/L	98
35) Methylcyclohexane	6.685	83	13918	0.850	ug/L #	21
37) 1,2-Dichloropropane	6.682	63	5463	0.429	ug/L #	88
42) Toluene	7.968	91	6750	0.135	ug/L	90
49) Dibromochloromethane	8.550	129	2217	0.206	ug/L #	10
52) Ethylbenzene	9.573	91	4904	0.098	ug/L	95
53) m,p-Xylene	9.689	106	5310	0.275	ug/L	91
54) o-Xylene	10.100	106	5952	0.322	ug/L	88
60) Isopropylbenzene	11.290	105	6166	0.137	ug/L	97
61) 1,2,3-Trichloropropane	11.807	75	7716	1.064	ug/L #	65
62) 1,3,5-Trimethylbenzene	11.084	105	5786	0.168	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	9464	0.285	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	13871	0.599	ug/L	96
71) Naphthalene	14.093	128	8288	0.421	ug/L #	96

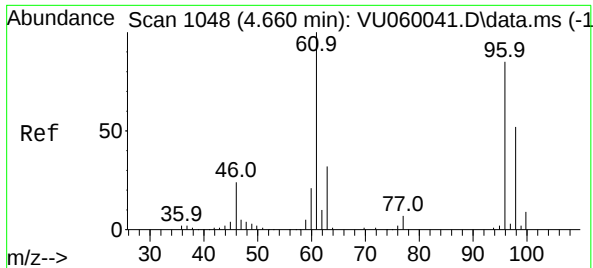
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

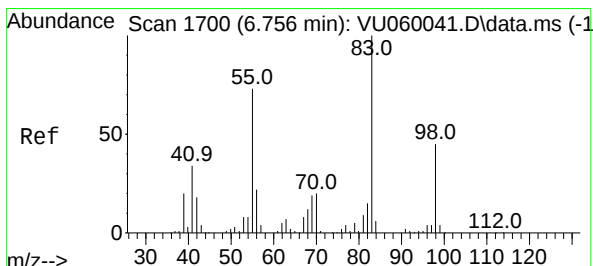
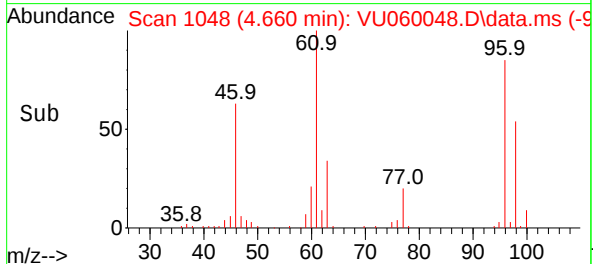
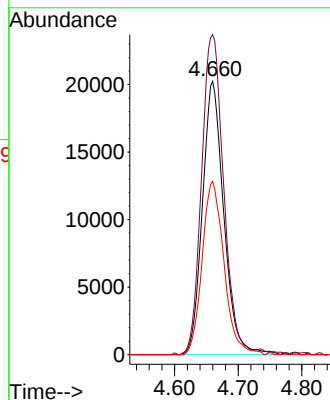
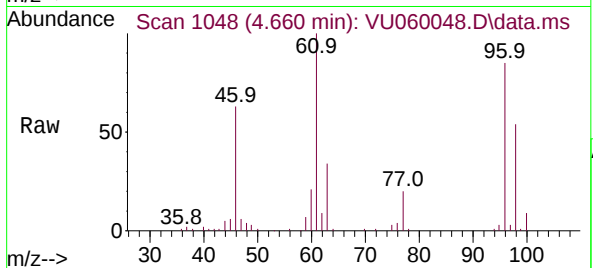




#22
 cis-1,2-Dichloroethene
 Concen: 3.724 ug/L
 RT: 4.660 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VU060048.D
 Acq: 19 Jul 2024 09:53

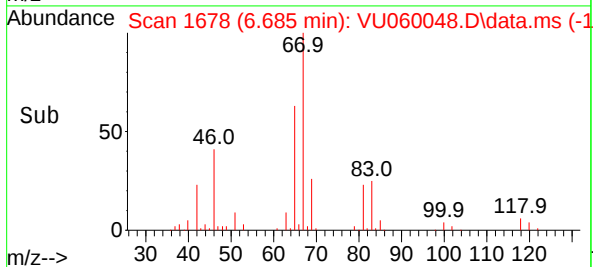
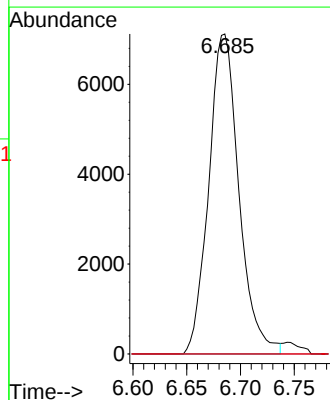
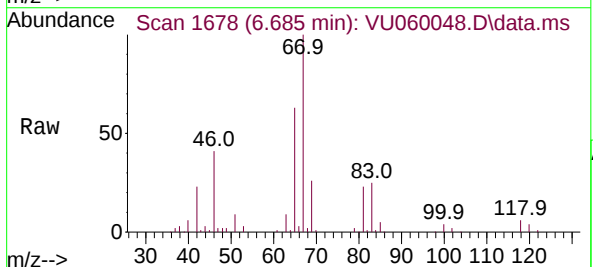
Instrument :
 MSVOA_U
 ClientSampleId :

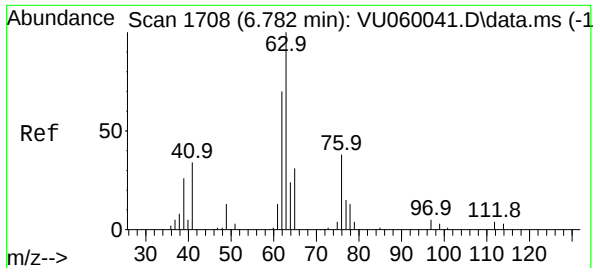
Tgt Ion: 96 Resp: 47196
 Ion Ratio Lower Upper
 96 100
 61 117.0 80.2 148.9
 98 63.4 44.7 83.1



#35
 Methylcyclohexane
 Concen: 0.850 ug/L
 RT: 6.685 min Scan# 1678
 Delta R.T. -0.071 min
 Lab File: VU060048.D
 Acq: 19 Jul 2024 09:53

Tgt Ion: 83 Resp: 13918
 Ion Ratio Lower Upper
 83 100
 55 0.0 56.7 85.1#
 98 0.9 36.6 55.0#

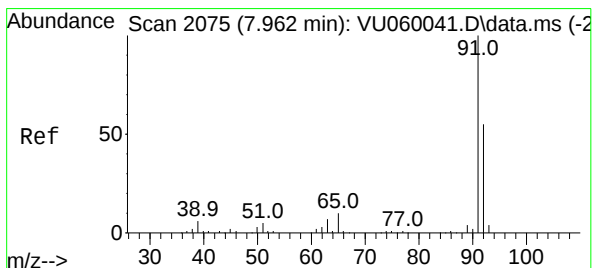
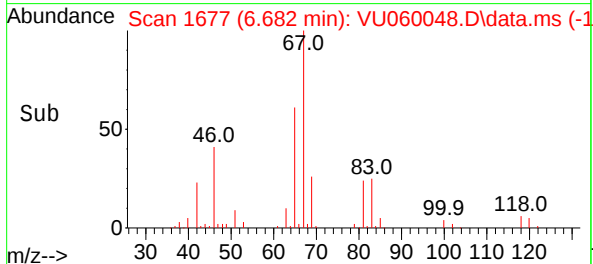
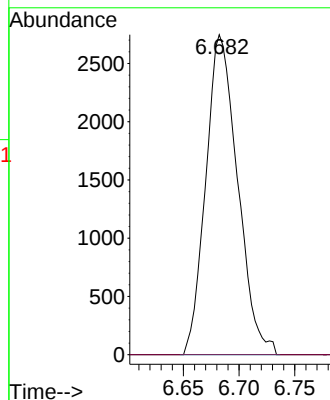
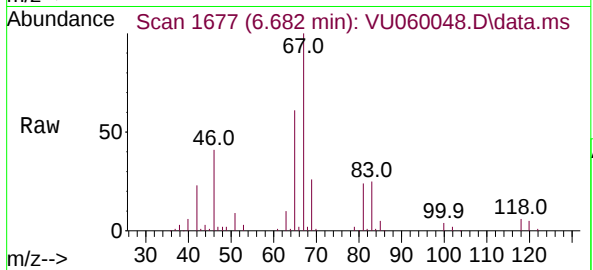




#37
1,2-Dichloropropane
Concen: 0.429 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU060048.D
Acq: 19 Jul 2024 09:53

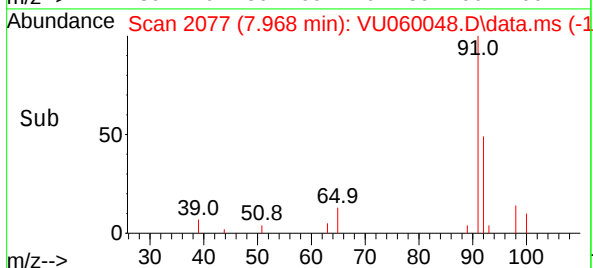
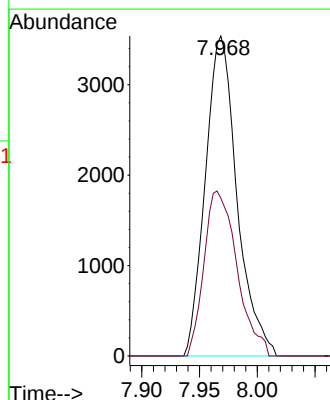
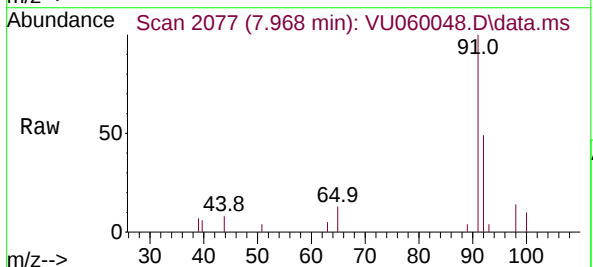
Instrument :
MSVOA_U
ClientSampleId :

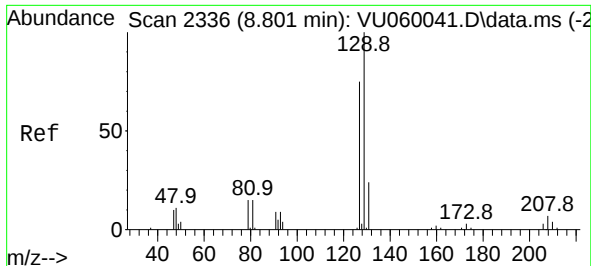
Tgt Ion: 63 Resp: 5463
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#42
Toluene
Concen: 0.135 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.006 min
Lab File: VU060048.D
Acq: 19 Jul 2024 09:53

Tgt Ion: 91 Resp: 6750
Ion Ratio Lower Upper
91 100
92 49.3 39.8 73.8





#49

Dibromochloromethane

Concen: 0.206 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.251 min

Lab File: VU060048.D

Acq: 19 Jul 2024 09:53

Instrument :

MSVOA_U

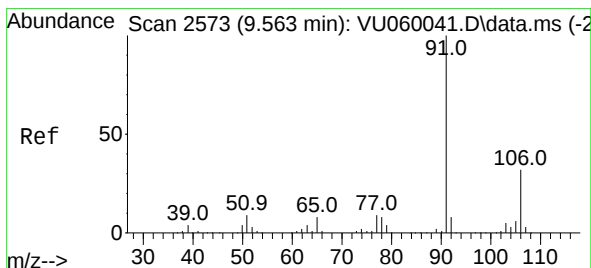
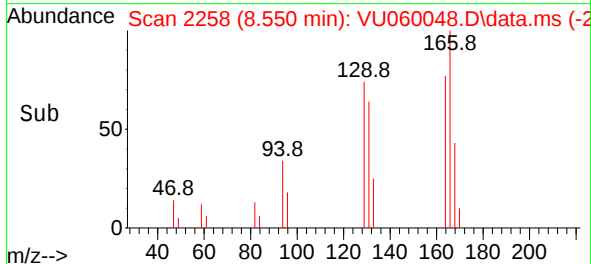
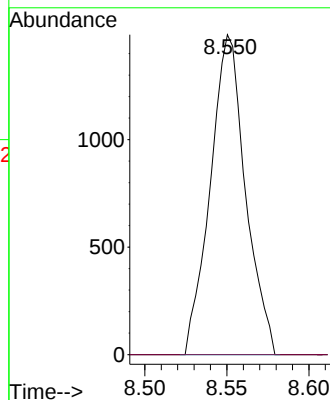
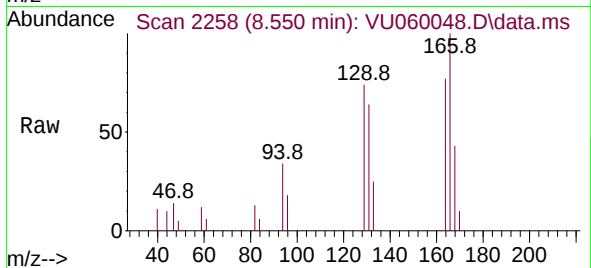
ClientSampleId :

Tgt Ion:129 Resp: 2217

Ion Ratio Lower Upper

129 100

127 0.0 54.6 101.4#



#52

Ethylbenzene

Concen: 0.098 ug/L

RT: 9.573 min Scan# 2576

Delta R.T. 0.010 min

Lab File: VU060048.D

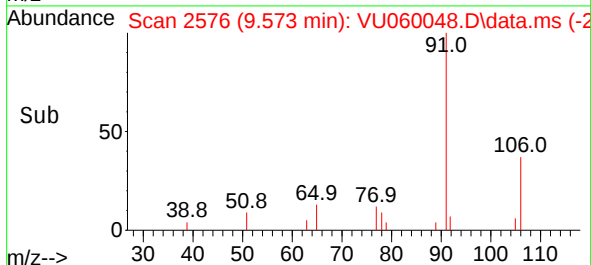
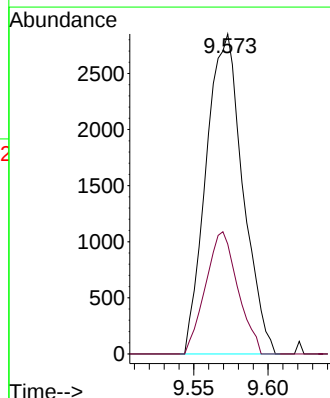
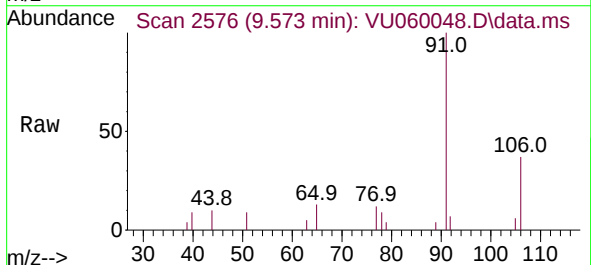
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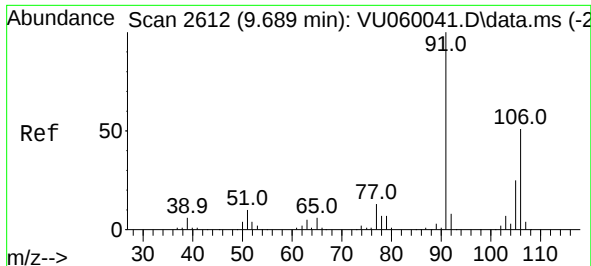
Tgt Ion: 91 Resp: 4904

Ion Ratio Lower Upper

91 100

106 34.3 21.9 40.7





#53

m,p-Xylene

Concen: 0.275 ug/L

RT: 9.689 min Scan# 2

Delta R.T. -0.000 min

Lab File: VU060048.D

Acq: 19 Jul 2024 09:53

Instrument :

MSVOA_U

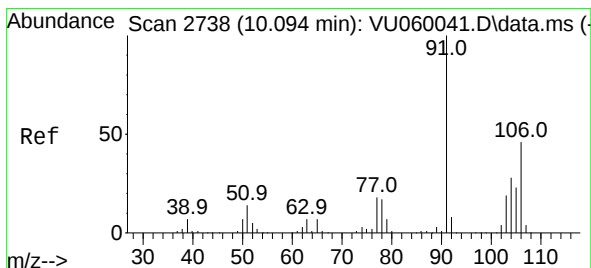
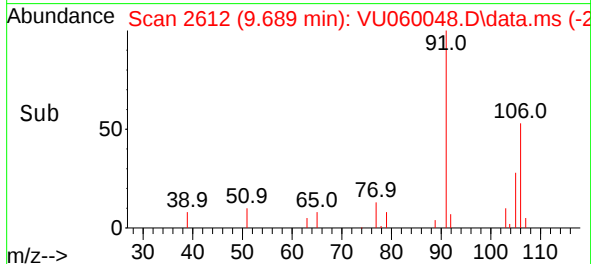
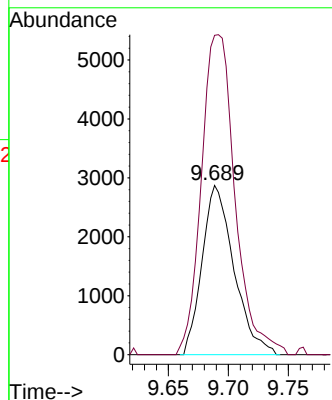
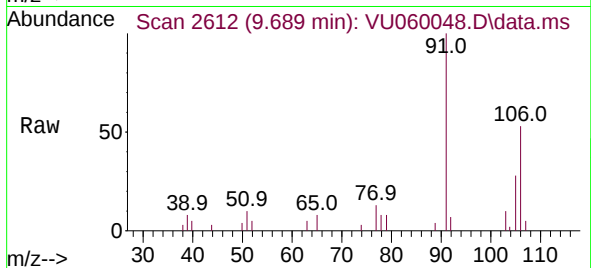
ClientSampleId :

Tgt Ion:106 Resp: 5310

Ion Ratio Lower Upper

106 100

91 188.6 141.3 262.5



#54

o-Xylene

Concen: 0.322 ug/L

RT: 10.100 min Scan# 2740

Delta R.T. 0.006 min

Lab File: VU060048.D

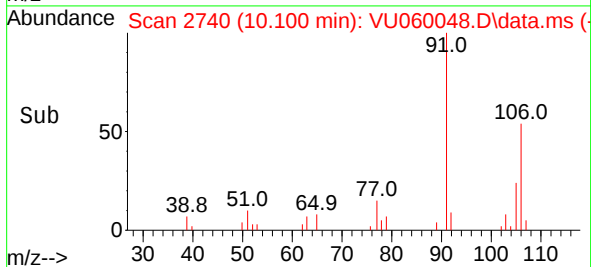
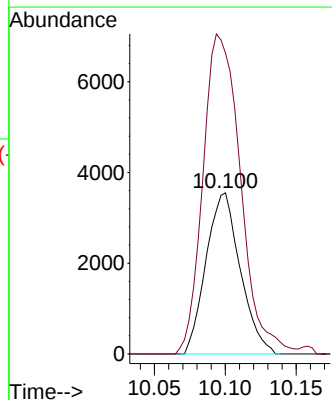
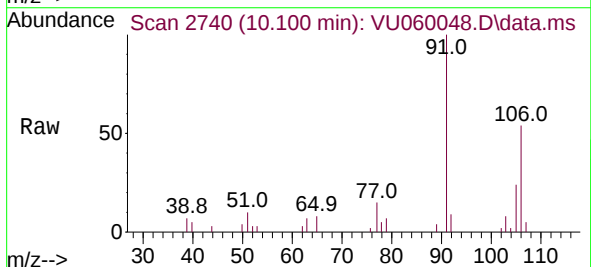
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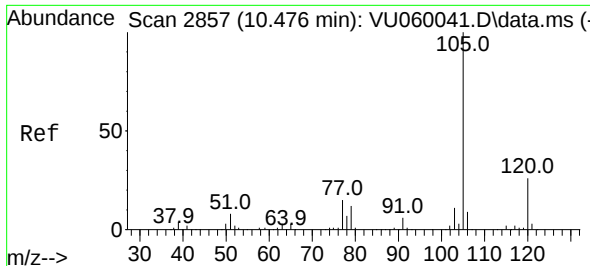
Tgt Ion:106 Resp: 5952

Ion Ratio Lower Upper

106 100

91 186.8 143.6 266.6

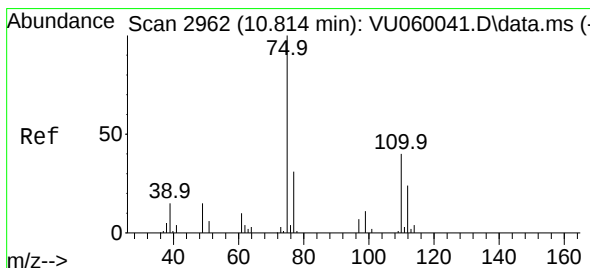
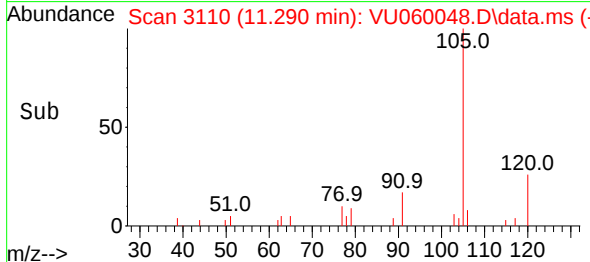
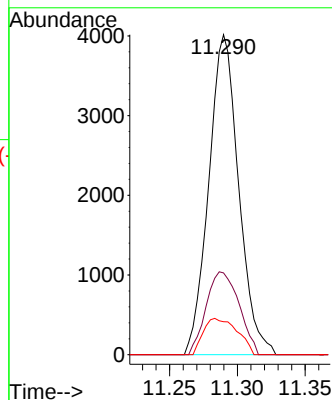
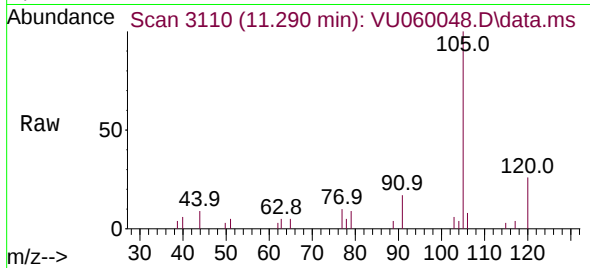




#60
Isopropylbenzene
Concen: 0.137 ug/L
RT: 11.290 min Scan# 3110
Delta R.T. 0.813 min
Lab File: VU060048.D
Acq: 19 Jul 2024 09:53

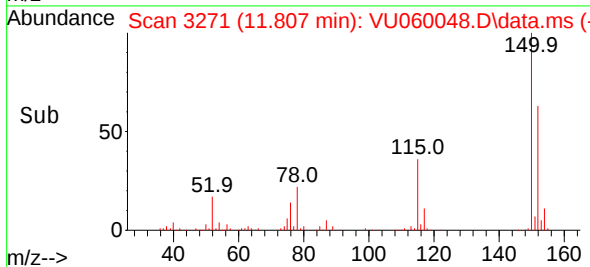
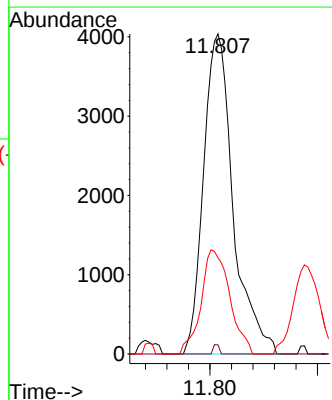
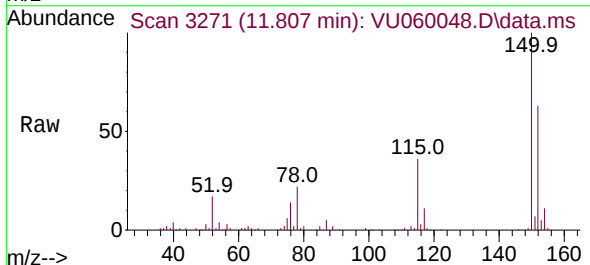
Instrument :
MSVOA_U
ClientSampleId :

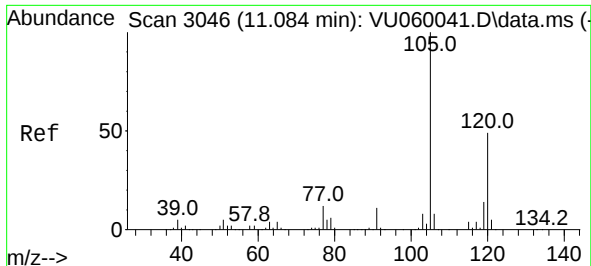
Tgt Ion:105 Resp: 6166
Ion Ratio Lower Upper
105 100
120 28.4 21.9 32.9
77 12.9 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 1.064 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.993 min
Lab File: VU060048.D
Acq: 19 Jul 2024 09:53

Tgt Ion: 75 Resp: 7716
Ion Ratio Lower Upper
75 100
110 0.6 30.8 46.2#
77 31.5 26.2 39.2





#62

1,3,5-Trimethylbenzene

Concen: 0.168 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU060048.D

Acq: 19 Jul 2024 09:53

Instrument :

MSVOA_U

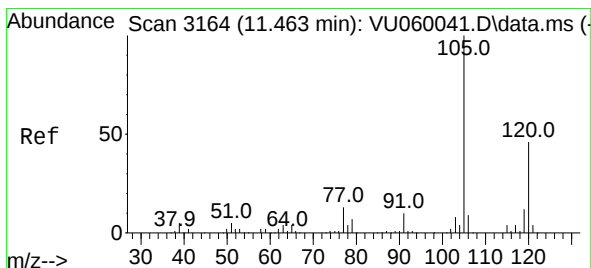
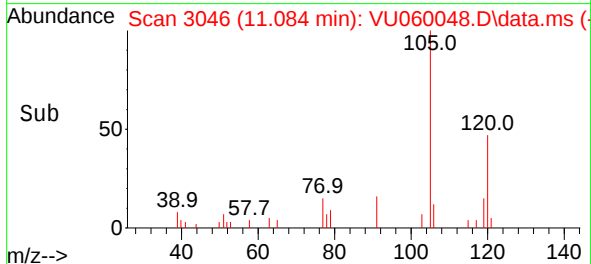
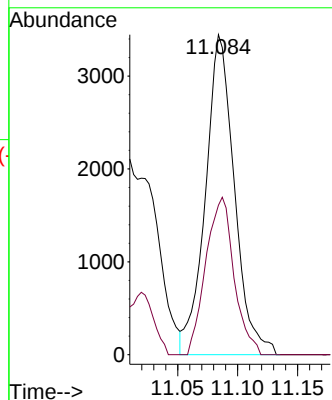
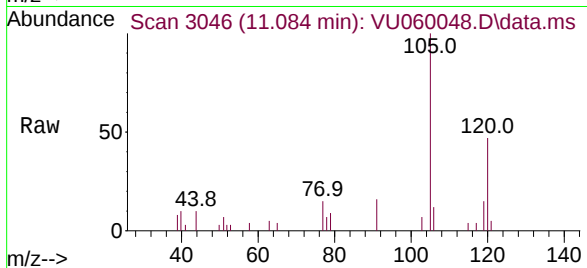
ClientSampleId :

Tgt Ion:105 Resp: 5786

Ion Ratio Lower Upper

105 100

120 47.9 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 0.285 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU060048.D

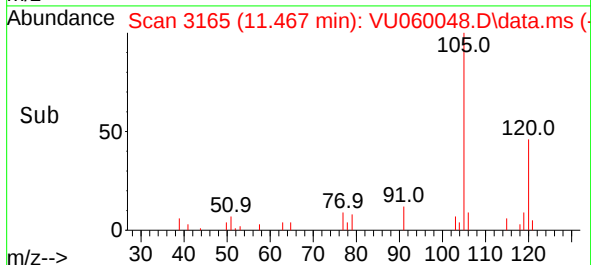
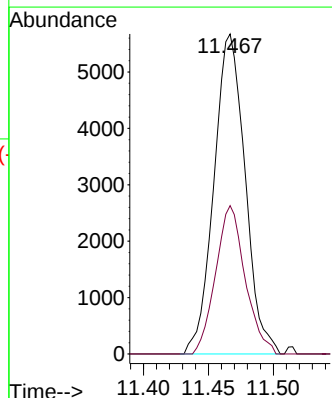
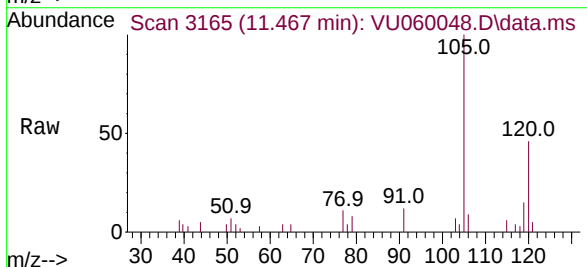
Acq: 19 Jul 2024 09:53

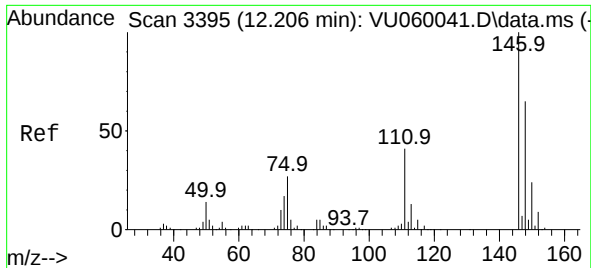
Tgt Ion:105 Resp: 9464

Ion Ratio Lower Upper

105 100

120 43.9 36.7 55.1





#67

1,2-Dichlorobenzene

Concen: 0.599 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU060048.D

Acq: 19 Jul 2024 09:53

Instrument :

MSVOA_U

ClientSampleId :

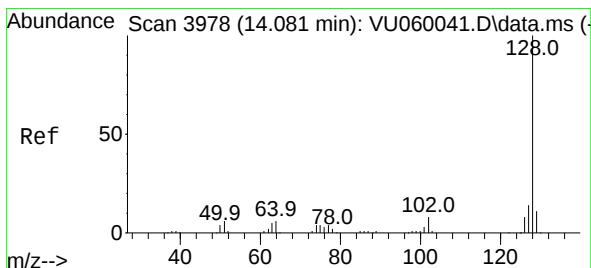
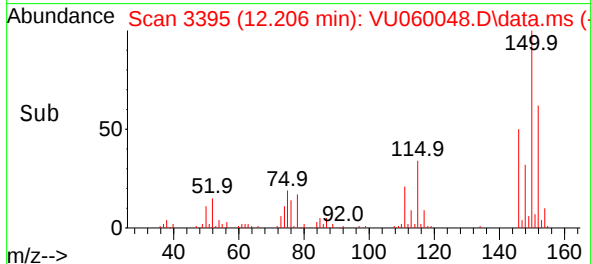
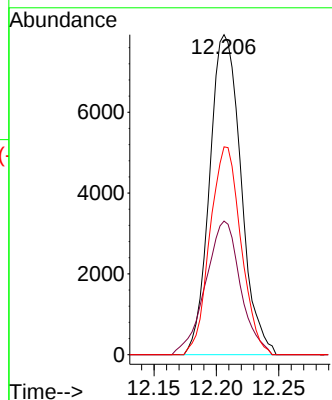
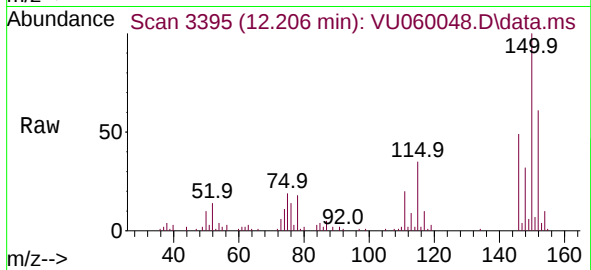
Tgt Ion:146 Resp: 13871

Ion Ratio Lower Upper

146 100

111 41.7 30.9 46.3

148 64.9 49.8 74.8



#71

Naphthalene

Concen: 0.421 ug/L

RT: 14.093 min Scan# 3982

Delta R.T. 0.013 min

Lab File: VU060048.D

Acq: 19 Jul 2024 09:53

Tgt Ion:128 Resp: 8288

Ion Ratio Lower Upper

128 100

129 10.4 8.2 12.4

127 10.4 10.6 16.0#

