

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
 Data File : VU060874.D
 Acq On : 18 Sep 2024 16:48
 Operator : MD/SY
 Sample : P3973-17DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 19 05:15:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 19 05:11:13 2024
 Response via : Initial Calibration

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

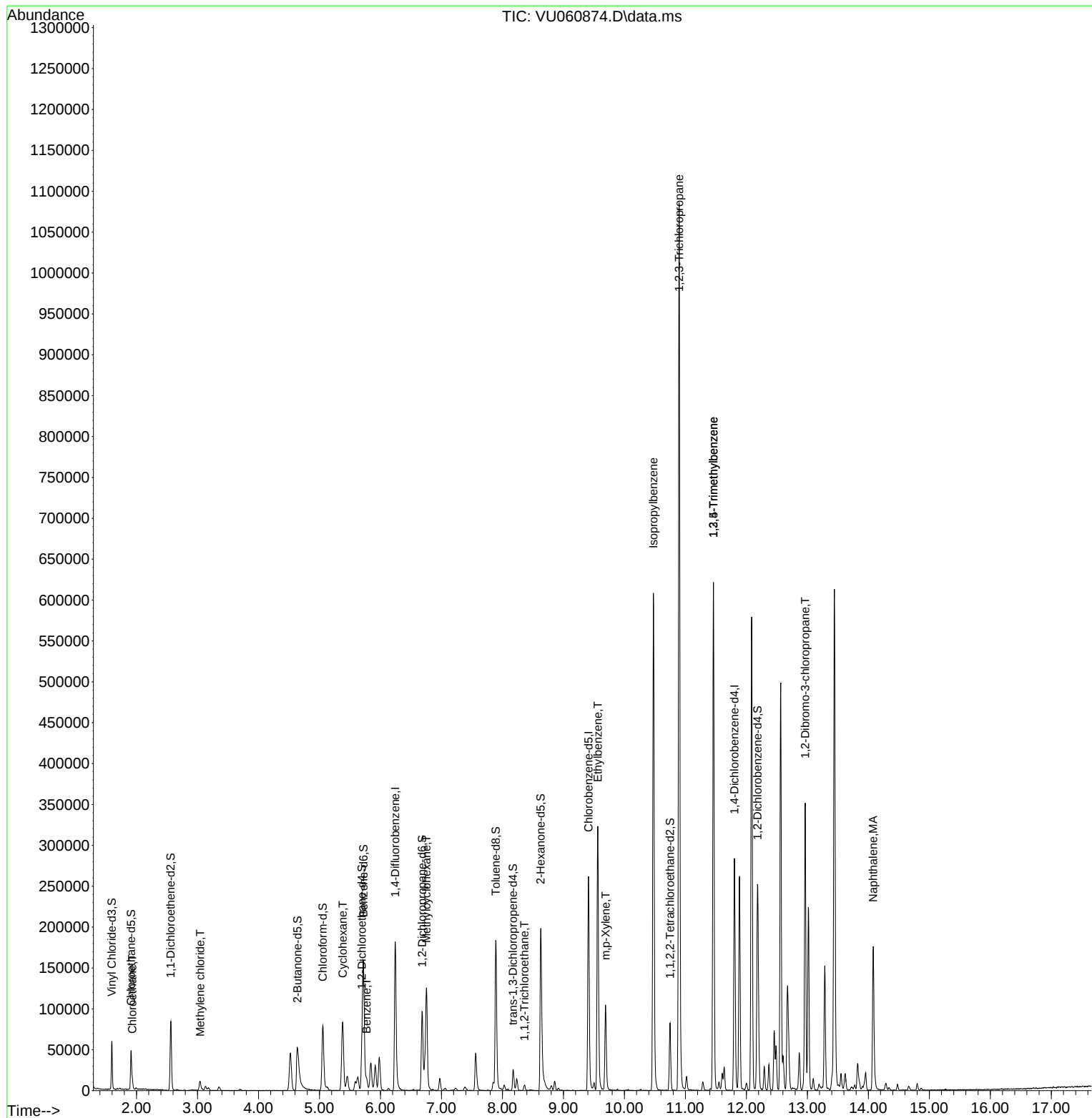
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	161776	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	162855	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	83726	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	39992	2.748	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.000%
7) Chloroethane-d5	1.911	69	34774	3.357	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	67.200%
11) 1,1-Dichloroethene-d2	2.560	65	15917	3.086	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.800%
20) 2-Butanone-d5	4.637	46	94900	40.626	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.260%
24) Chloroform-d	5.055	84	80120	3.602	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.000%
26) 1,2-Dichloroethane-d4	5.695	65	38987	3.667	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.400%
32) Benzene-d6	5.721	84	159781	3.661	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.200%
36) 1,2-Dichloropropane-d6	6.682	67	50411	3.733	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.600%
41) Toluene-d8	7.891	98	135314	3.400	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.000%#
43) trans-1,3-Dichloroprop...	8.174	79	16676	3.430	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.600%
46) 2-Hexanone-d5	8.627	63	75442	39.341	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.680%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	42727	4.038	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.800%
66) 1,2-Dichlorobenzene-d4	12.184	152	60441	4.296	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%
Target Compounds						Qvalue
8) Chloroethane	1.933	64	6789	0.796	ug/L	98
16) Methylene chloride	3.042	84	5349	0.454	ug/L	98
30) Cyclohexane	5.380	56	37915	2.624	ug/L	96
33) Benzene	5.772	78	12630	0.282	ug/L	100
35) Methylcyclohexane	6.756	83	47190	2.930	ug/L	92
45) 1,1,2-Trichloroethane	8.361	97	2445	0.274	ug/L #	18
52) Ethylbenzene	9.563	91	235853	4.785	ug/L	99
53) m,p-Xylene	9.692	106	30152	1.613	ug/L	98
60) Isopropylbenzene	10.476	105	396014	7.981	ug/L	99
61) 1,2,3-Trichloropropane	10.897	75	4888	0.626	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.460	105	342398	8.879	ug/L	97
63) 1,2,4-Trimethylbenzene	11.460	105	342398	8.986	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.965	75	1251	0.820	ug/L #	1
71) Naphthalene	14.081	128	154144	8.890	ug/L	98

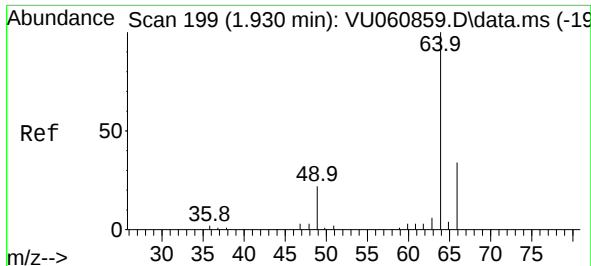
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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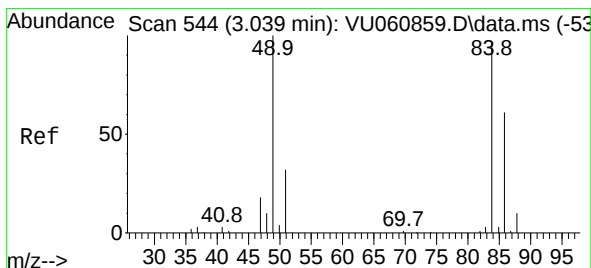
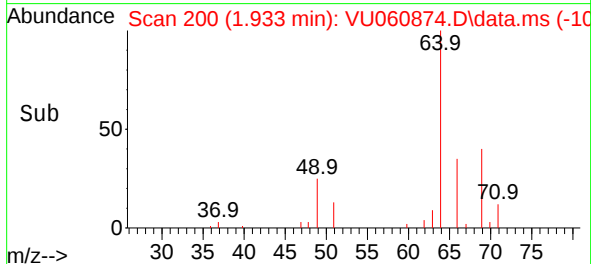
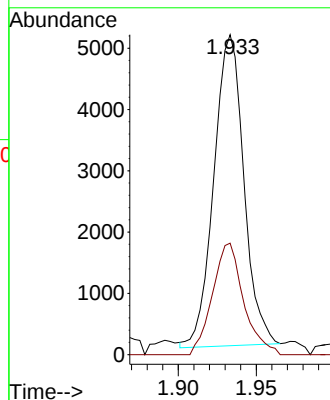
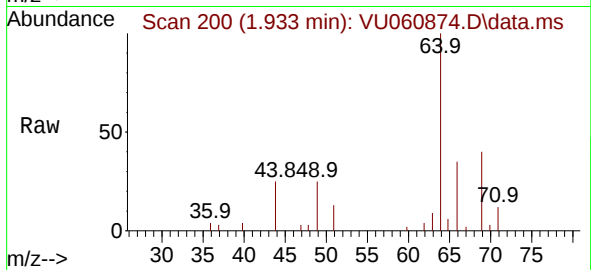




#8
Chloroethane
Concen: 0.796 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.003 min
Lab File: VU060874.D
Acq: 18 Sep 2024 16:48

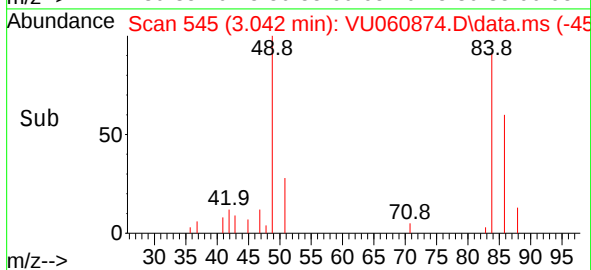
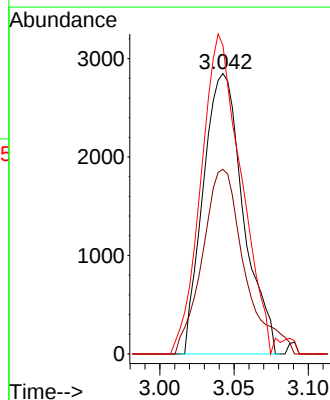
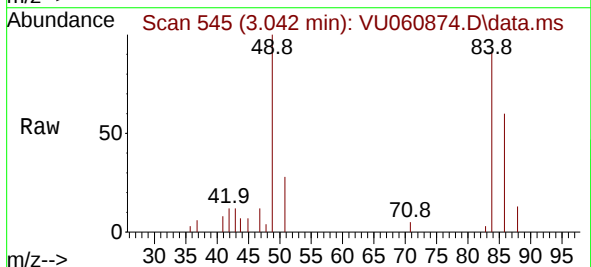
Instrument :
MSVOA_U
ClientSampleId :

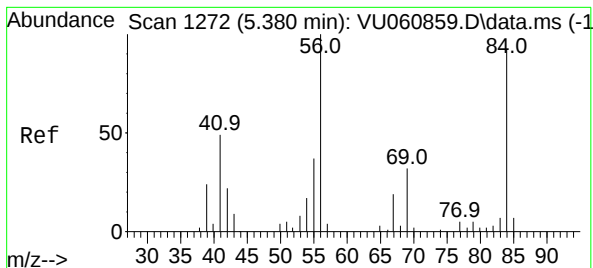
Tgt Ion: 64 Resp: 6789
Ion Ratio Lower Upper
64 100
66 33.0 22.3 41.3



#16
Methylene chloride
Concen: 0.454 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU060874.D
Acq: 18 Sep 2024 16:48

Tgt Ion: 84 Resp: 5349
Ion Ratio Lower Upper
84 100
86 65.8 47.3 87.8
49 110.0 78.7 146.1





#30

Cyclohexane

Concen: 2.624 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VU060874.D

Acq: 18 Sep 2024 16:48

Instrument :

MSVOA_U

ClientSampleId :

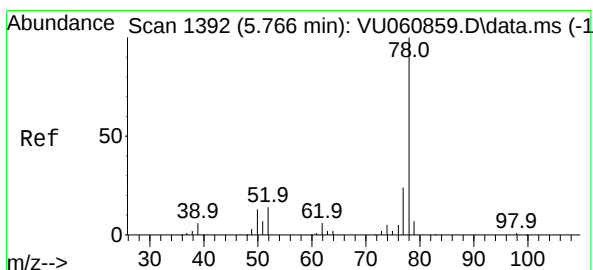
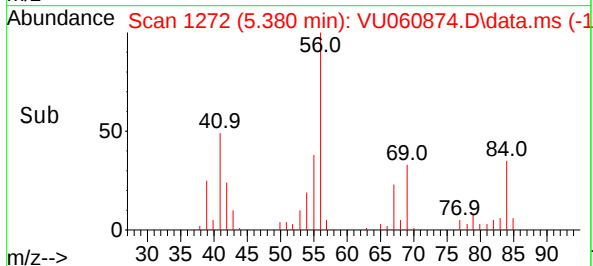
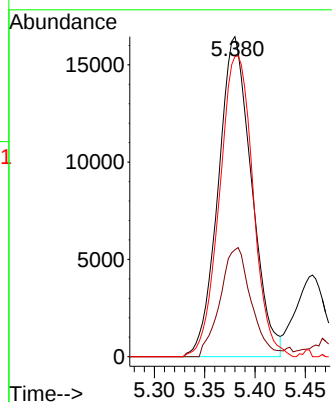
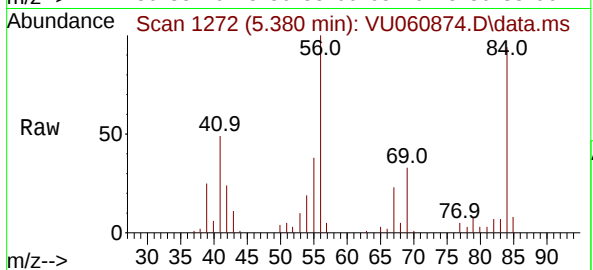
Tgt Ion: 56 Resp: 37915

Ion Ratio Lower Upper

56 100

69 31.7 25.4 38.0

84 94.1 71.0 106.6



#33

Benzene

Concen: 0.282 ug/L

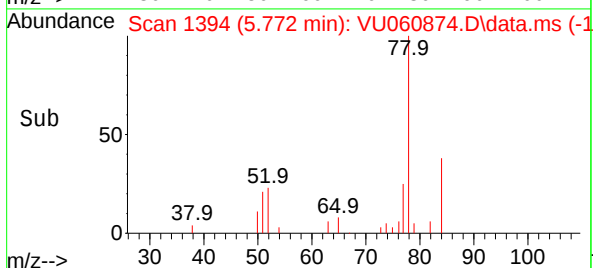
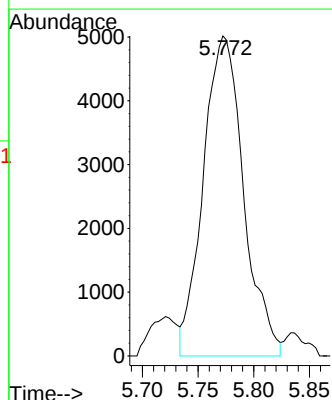
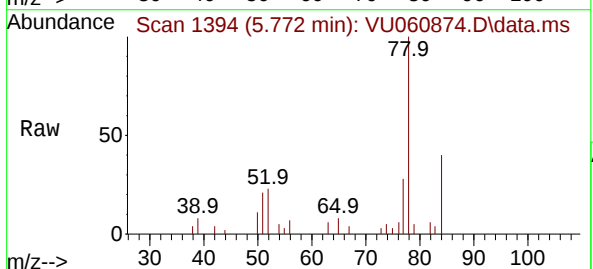
RT: 5.772 min Scan# 1394

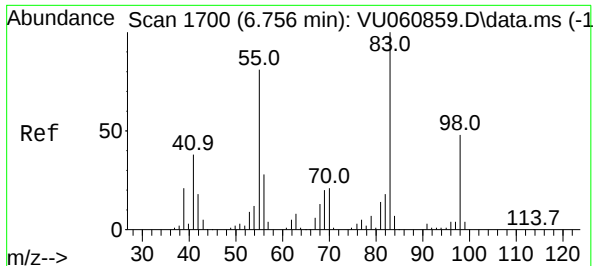
Delta R.T. 0.006 min

Lab File: VU060874.D

Acq: 18 Sep 2024 16:48

Tgt Ion: 78 Resp: 12630

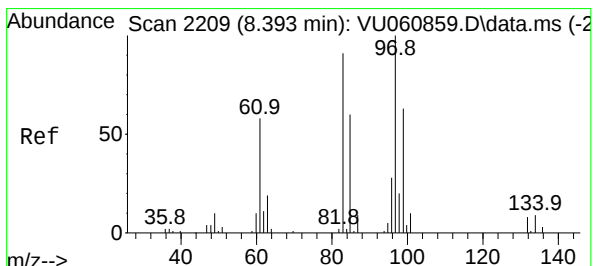
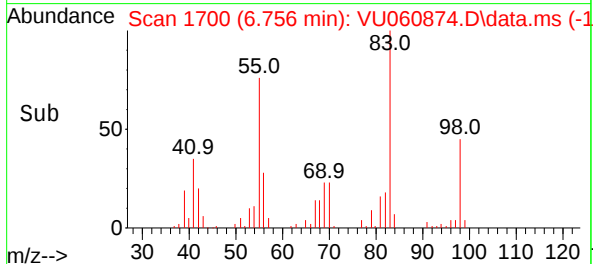
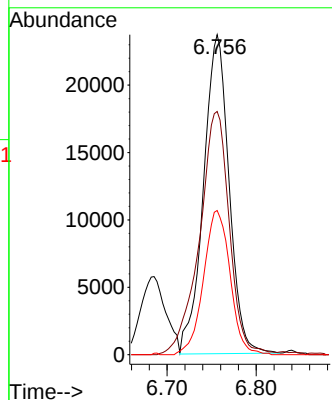
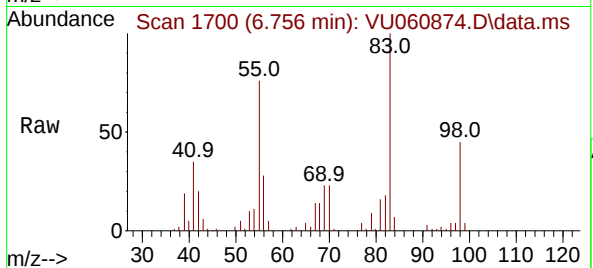




#35
Methylcyclohexane
Concen: 2.930 ug/L
RT: 6.756 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU060874.D
Acq: 18 Sep 2024 16:48

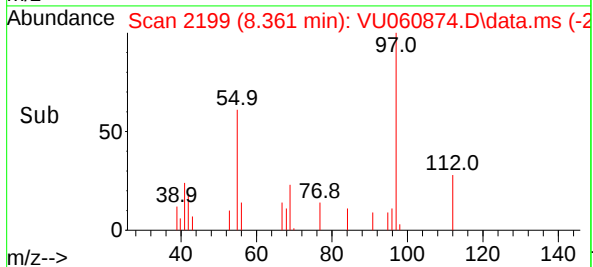
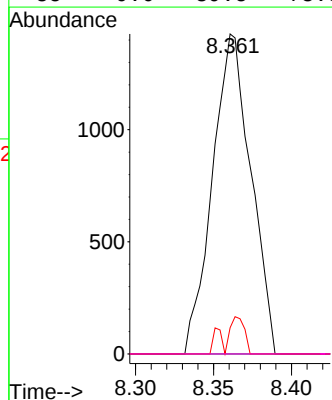
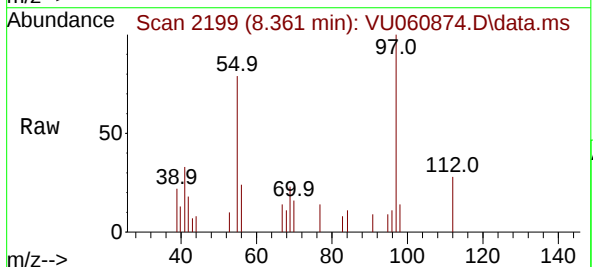
Instrument :
MSVOA_U
ClientSampleId :

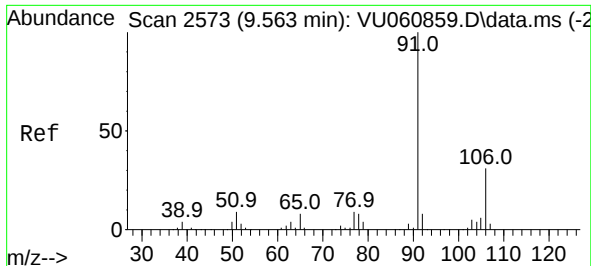
Tgt Ion: 83 Resp: 47190
Ion Ratio Lower Upper
83 100
55 88.8 62.6 94.0
98 47.0 37.6 56.4



#45
1,1,2-Trichloroethane
Concen: 0.274 ug/L
RT: 8.361 min Scan# 2199
Delta R.T. -0.032 min
Lab File: VU060874.D
Acq: 18 Sep 2024 16:48

Tgt Ion: 97 Resp: 2445
Ion Ratio Lower Upper
97 100
99 0.0 42.3 78.5#
83 8.2 61.7 114.5#
85 0.0 39.5 73.3#





#52

Ethylbenzene

Concen: 4.785 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU060874.D

Acq: 18 Sep 2024 16:48

Instrument :

MSVOA_U

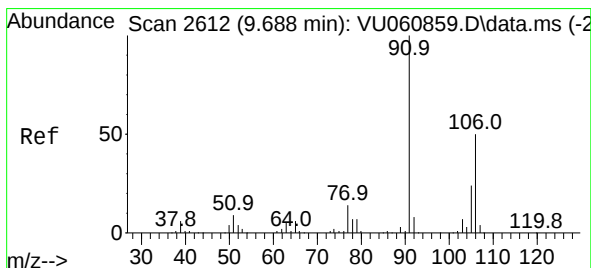
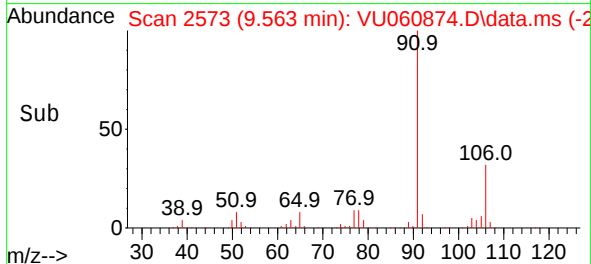
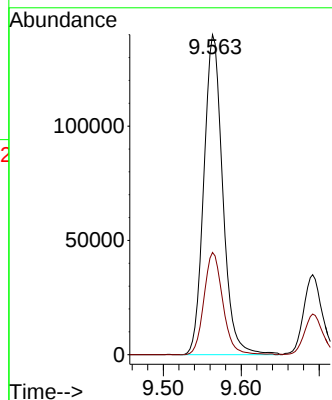
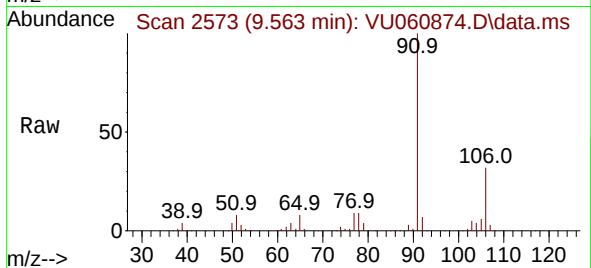
ClientSampleId :

Tgt Ion: 91 Resp: 235853

Ion Ratio Lower Upper

91 100

106 31.9 21.8 40.6



#53

m,p-Xylene

Concen: 1.613 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.003 min

Lab File: VU060874.D

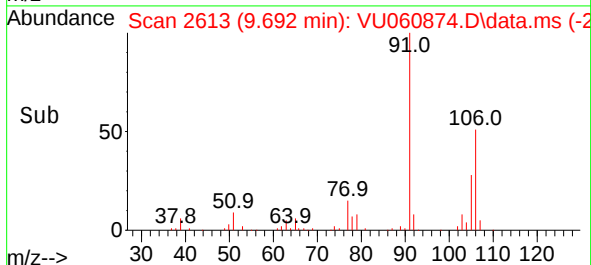
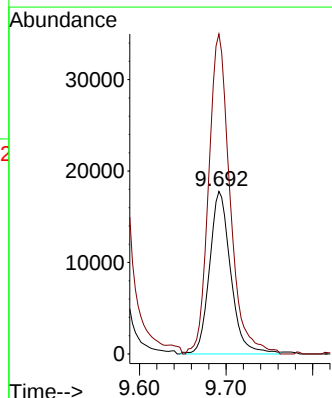
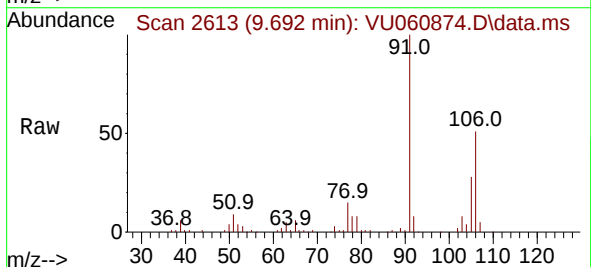
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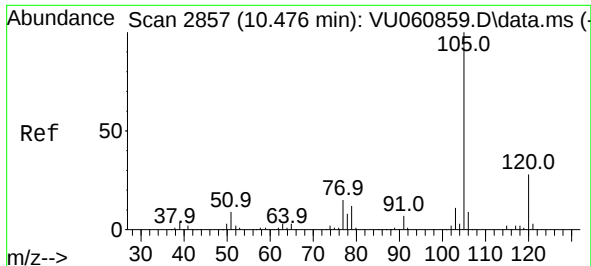
Tgt Ion:106 Resp: 30152

Ion Ratio Lower Upper

106 100

91 196.8 139.7 259.4

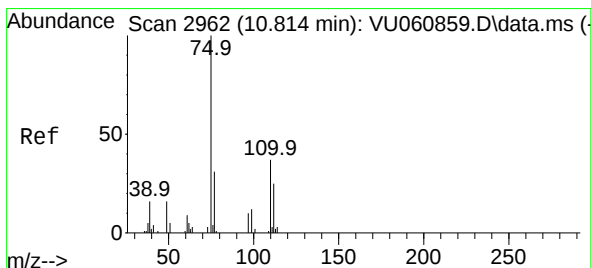
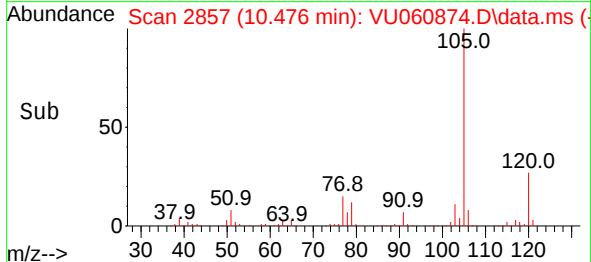
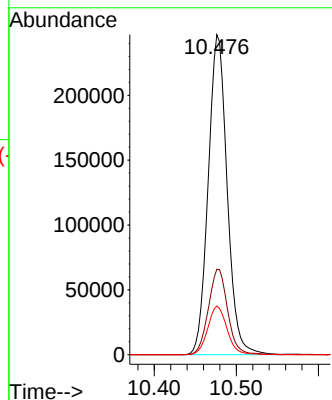
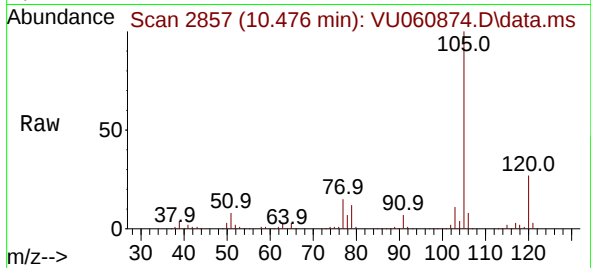




#60
Isopropylbenzene
Concen: 7.981 ug/L
RT: 10.476 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU060874.D
Acq: 18 Sep 2024 16:48

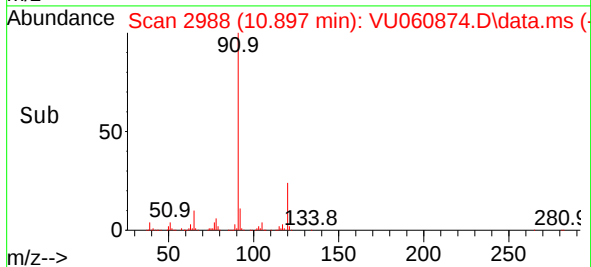
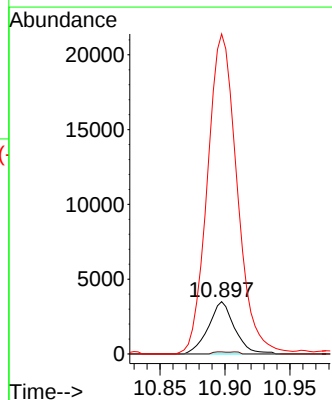
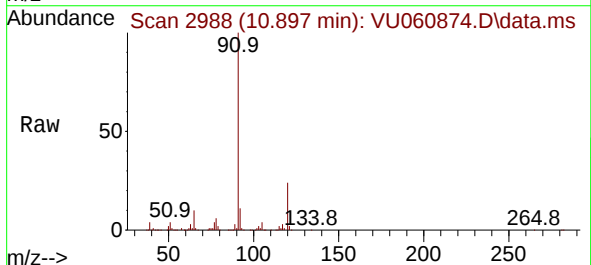
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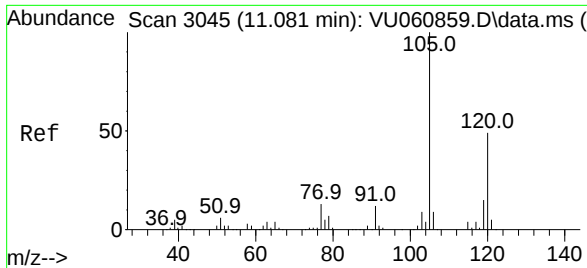
Tgt Ion:105 Resp: 396014
Ion Ratio Lower Upper
105 100
120 27.2 21.5 32.3
77 15.5 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 0.626 ug/L
RT: 10.897 min Scan# 2988
Delta R.T. 0.084 min
Lab File: VU060874.D
Acq: 18 Sep 2024 16:48

Tgt Ion: 75 Resp: 4888
Ion Ratio Lower Upper
75 100
110 1.9 28.6 43.0#
77 697.4 26.3 39.5#





#62

1,3,5-Trimethylbenzene

Concen: 8.879 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.379 min

Lab File: VU060874.D

Acq: 18 Sep 2024 16:48

Instrument :

MSVOA_U

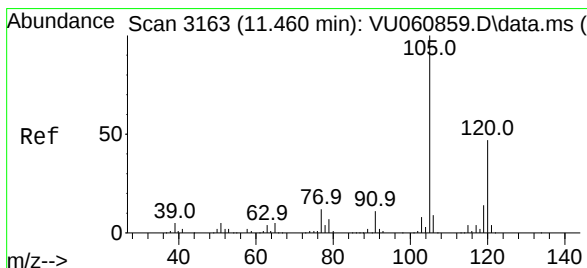
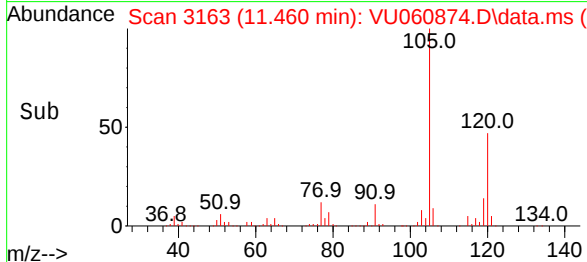
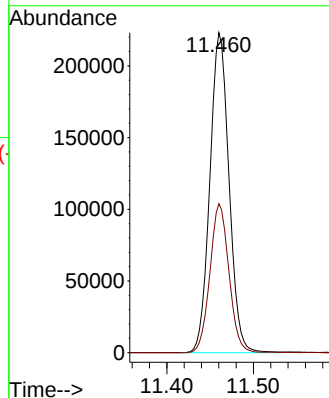
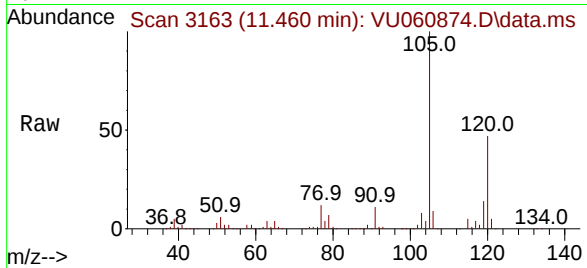
ClientSampleId :

Tgt Ion:105 Resp: 342398

Ion Ratio Lower Upper

105 100

120 46.3 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 8.986 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU060874.D

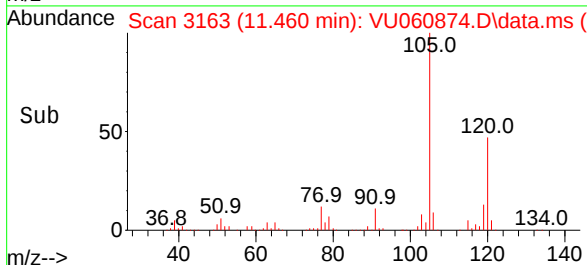
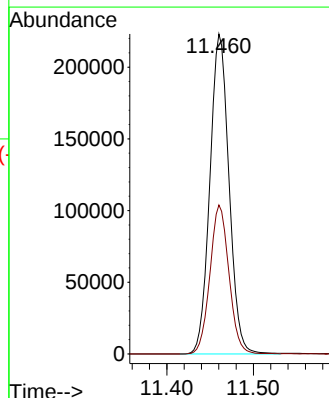
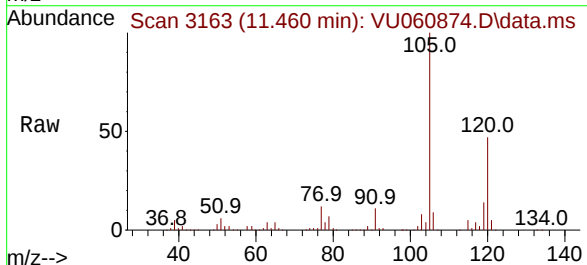
Acq: 18 Sep 2024 16:48

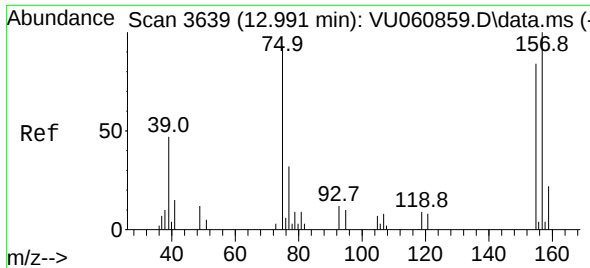
Tgt Ion:105 Resp: 342398

Ion Ratio Lower Upper

105 100

120 46.3 36.1 54.1





#68

1,2-Dibromo-3-chloropropane

Concen: 0.820 ug/L

RT: 12.965 min Scan# 3631

Delta R.T. -0.026 min

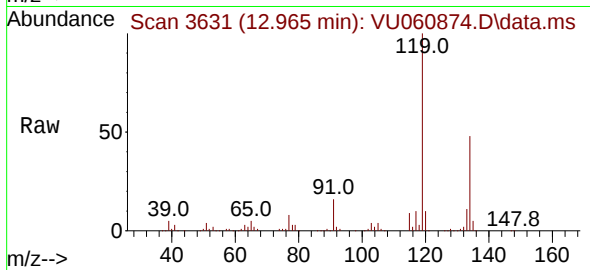
Lab File: VU060874.D

Acq: 18 Sep 2024 16:48

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ClientSampleId :



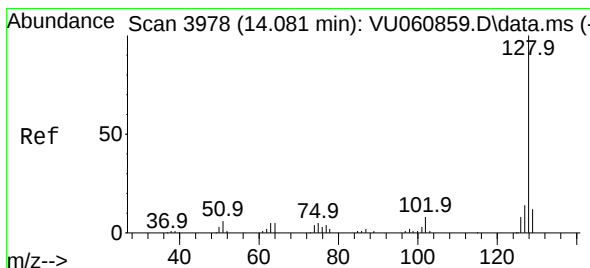
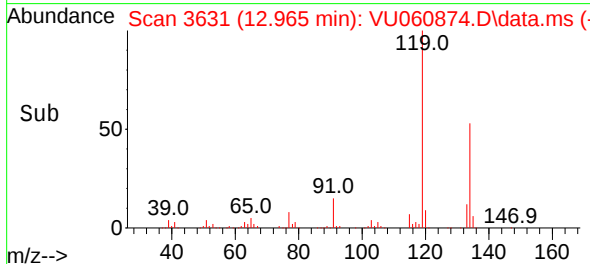
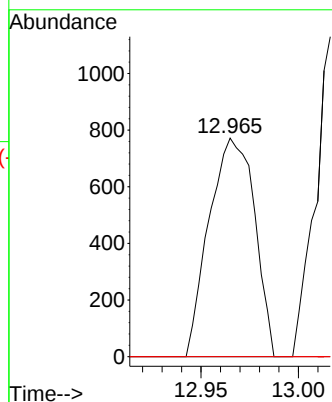
Tgt Ion: 75 Resp: 1251

Ion Ratio Lower Upper

75 100

155 0.0 73.1 109.7#

157 0.0 91.0 136.4#



#71

Naphthalene

Concen: 8.890 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU060874.D

Acq: 18 Sep 2024 16:48

Tgt Ion:128 Resp: 154144

Ion Ratio Lower Upper

128 100

129 11.5 8.3 12.5

127 14.0 10.7 16.1

