

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091624\
 Data File : VU060806.D
 Acq On : 17 Sep 2024 02:42
 Operator : MD/SY
 Sample : P3973-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 17 06:35:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Sep 17 02:49:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.255	114	171159	5.000	ug/L	0.01
28) Chlorobenzene-d5	9.412	117	166091	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	84723	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	30286	1.967	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	39.400%#
7) Chloroethane-d5	1.907	69	34917	3.186	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	63.800%#
11) 1,1-Dichloroethene-d2	2.560	65	14756	2.704	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.000%#
20) 2-Butanone-d5	4.727	46	94552	38.258	ug/L	0.09
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.520%
24) Chloroform-d	5.078	84	79097	3.361	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	67.200%#
26) 1,2-Dichloroethane-d4	5.714	65	41842	3.720	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.400%
32) Benzene-d6	5.734	84	147724	3.318	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	66.400%#
36) 1,2-Dichloropropane-d6	6.695	67	52712	3.827	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.600%
41) Toluene-d8	7.898	98	115869	2.855	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	57.000%#
43) trans-1,3-Dichloroprop...	8.181	79	12100	2.441	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	48.800%#
46) 2-Hexanone-d5	8.640	63	72805	37.226	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.460%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	44234	4.099	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.000%
66) 1,2-Dichlorobenzene-d4	12.184	152	52358	3.678	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	73.600%#
Target Compounds						Qvalue
8) Chloroethane	1.930	64	17559	1.946	ug/L	94
19) 1,1-Dichloroethane	3.849	63	4120	0.184	ug/L	94
30) Cyclohexane	5.393	56	81709	5.544	ug/L	98
33) Benzene	5.782	78	25050	0.548	ug/L	100
35) Methylcyclohexane	6.763	83	161674	9.843	ug/L	97
42) Toluene	7.968	91	591430	12.386	ug/L	99
45) 1,1,2-Trichloroethane	8.364	97	5125	0.564	ug/L #	18
52) Ethylbenzene	9.566	91	88078	1.752	ug/L	99
53) m,p-Xylene	9.685	106	568544	29.828	ug/L	99
54) o-Xylene	10.097	106	13980	0.743	ug/L	95
60) Isopropylbenzene	10.476	105	282444	5.625	ug/L	100
61) 1,2,3-Trichloropropane	10.894	75	2087	0.264	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.460	105	1136665	29.129	ug/L	96
63) 1,2,4-Trimethylbenzene	11.460	105	1136665	29.481	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.962	75	8337	5.403	ug/L #	1
71) Naphthalene	14.074	128	2872129	163.699	ug/L	99

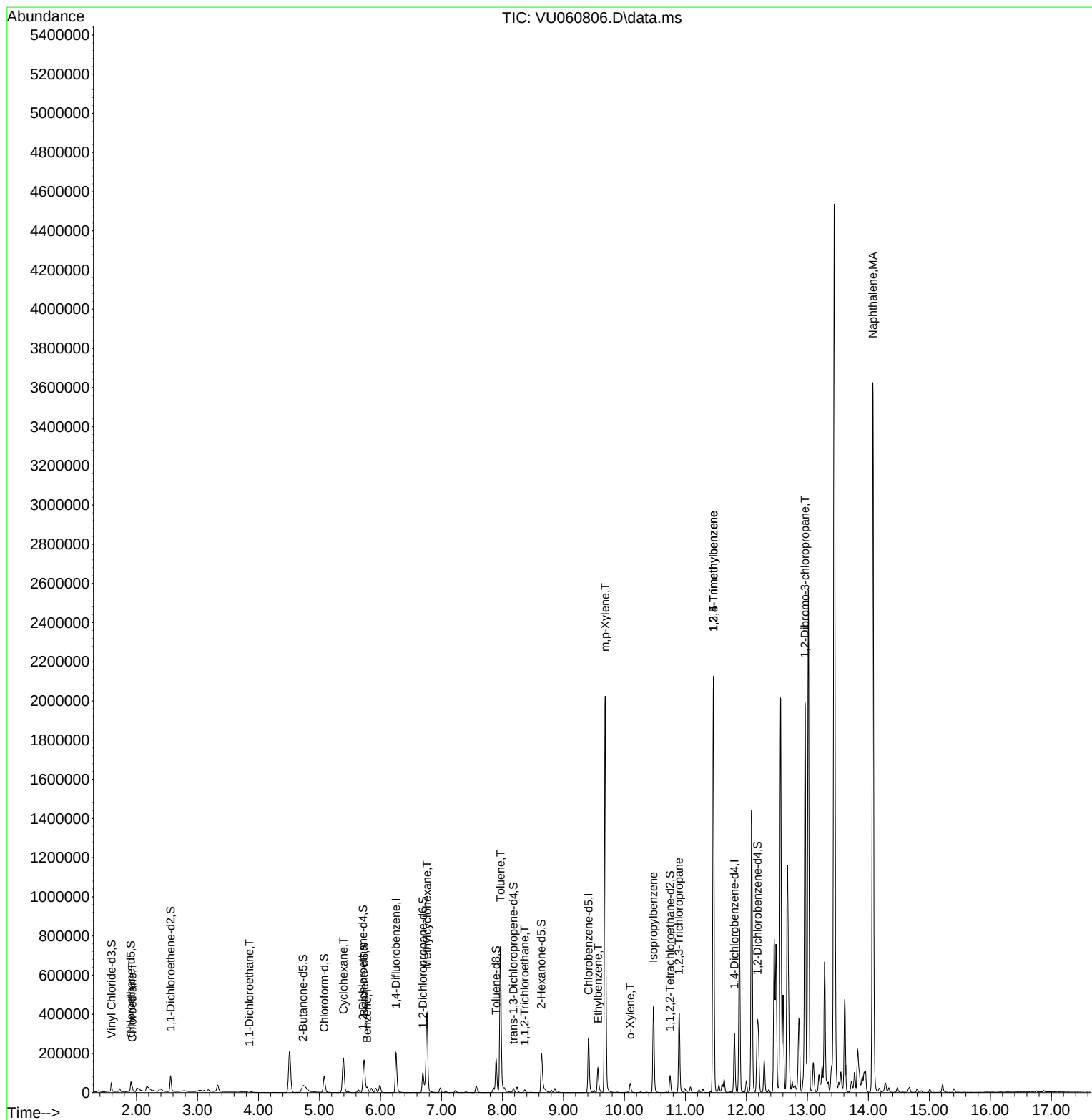
(#) = qualifier out of range (m) = manual integration (+) = signals summed

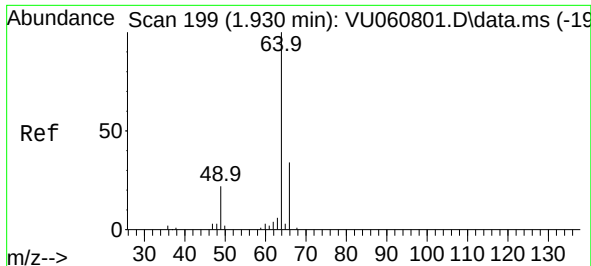
Instrument :
MSVOA_U
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091624\
Data File : VU060806.D
Acq On : 17 Sep 2024 02:42
Operator : MD/SY
Sample : P3973-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Sep 17 06:35:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Sep 17 02:49:32 2024
Response via : Initial Calibration

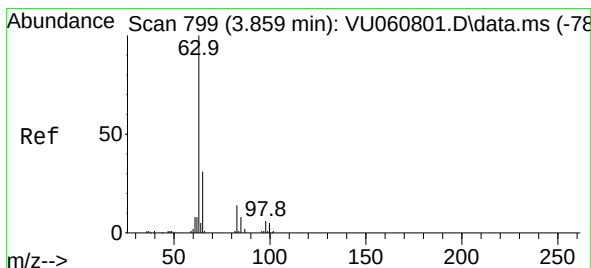
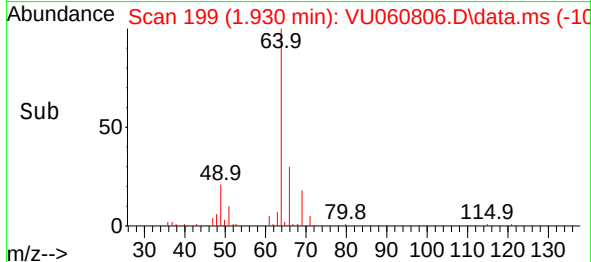
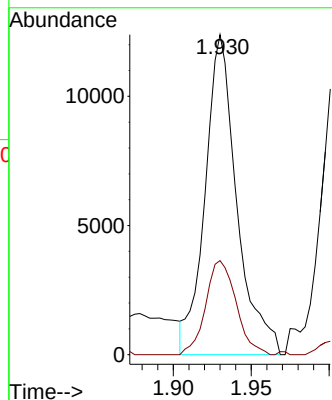
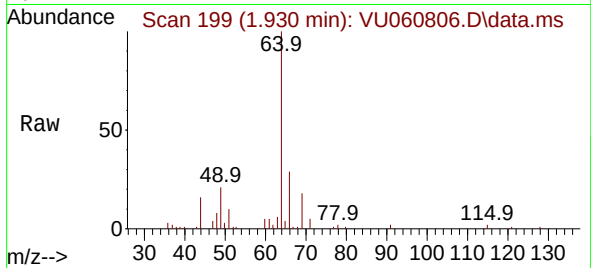




#8
Chloroethane
Concen: 1.946 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU060806.D
Acq: 17 Sep 2024 02:42

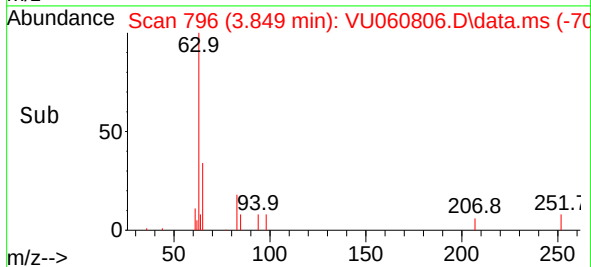
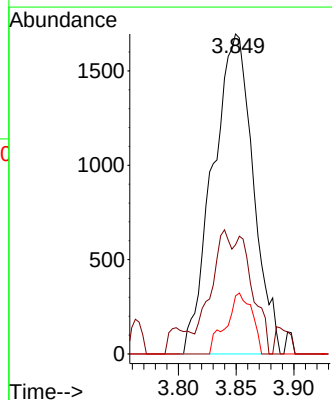
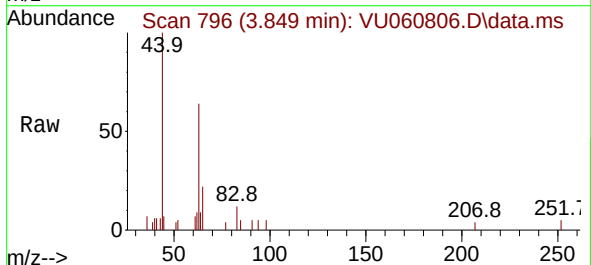
Instrument :
MSVOA_U
ClientSampleId :

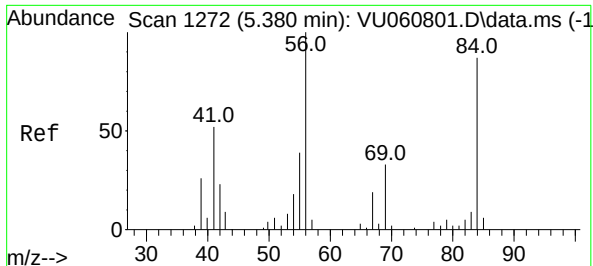
Tgt Ion: 64 Resp: 17559
Ion Ratio Lower Upper
64 100
66 28.4 22.3 41.3



#19
1,1-Dichloroethane
Concen: 0.184 ug/L
RT: 3.849 min Scan# 796
Delta R.T. -0.010 min
Lab File: VU060806.D
Acq: 17 Sep 2024 02:42

Tgt Ion: 63 Resp: 4120
Ion Ratio Lower Upper
63 100
65 29.8 23.0 42.8
83 15.8 9.0 16.6





#30

Cyclohexane

Concen: 5.544 ug/L

RT: 5.393 min Scan# 11

Delta R.T. 0.013 min

Lab File: VU060806.D

Acq: 17 Sep 2024 02:42

Instrument :

MSVOA_U

ClientSampleId :

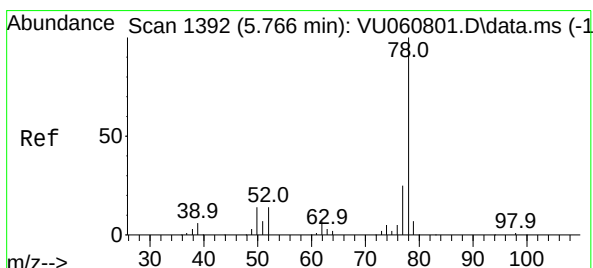
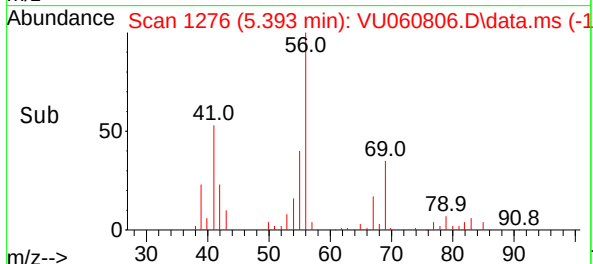
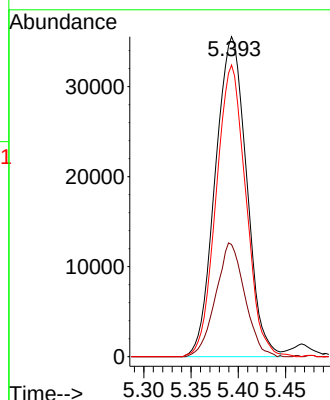
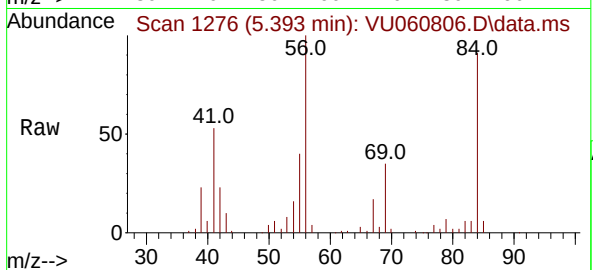
Tgt Ion: 56 Resp: 81709

Ion Ratio Lower Upper

56 100

69 33.0 25.4 38.0

84 86.5 71.0 106.6



#33

Benzene

Concen: 0.548 ug/L

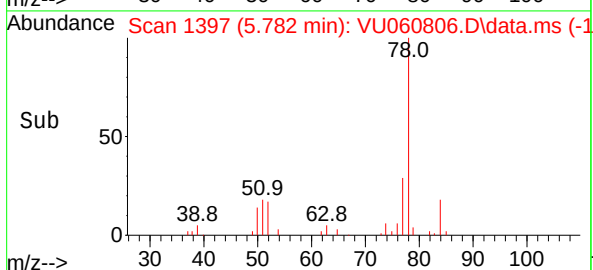
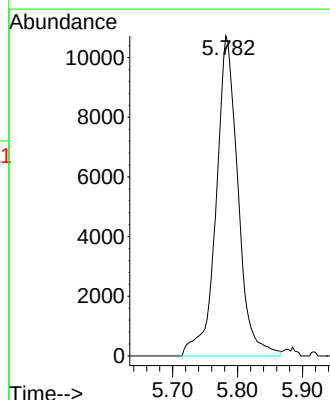
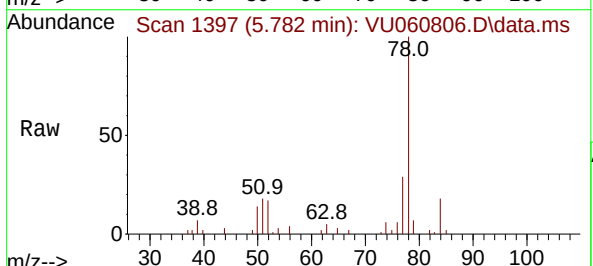
RT: 5.782 min Scan# 1397

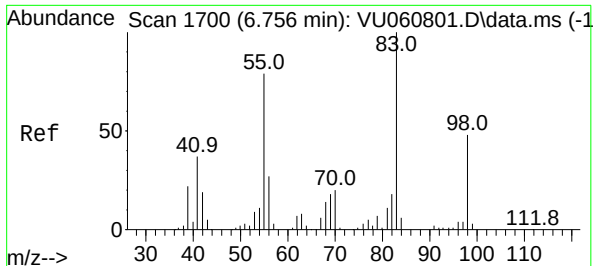
Delta R.T. 0.016 min

Lab File: VU060806.D

Acq: 17 Sep 2024 02:42

Tgt Ion: 78 Resp: 25050





#35

Methylcyclohexane

Concen: 9.843 ug/L

RT: 6.763 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU060806.D

Acq: 17 Sep 2024 02:42

Instrument :

MSVOA_U

ClientSampleId :

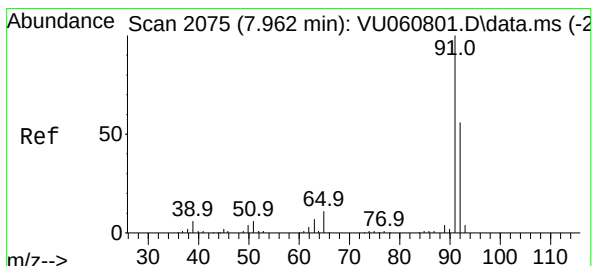
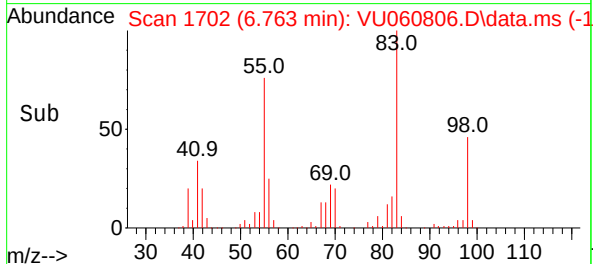
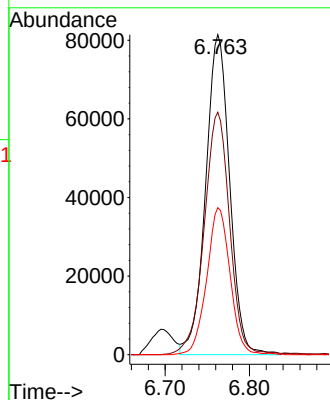
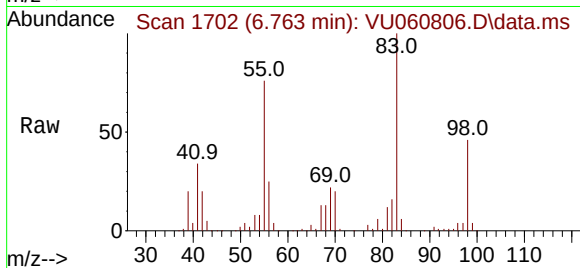
Tgt Ion: 83 Resp: 161674

Ion Ratio Lower Upper

83 100

55 80.4 62.6 94.0

98 44.5 37.6 56.4



#42

Toluene

Concen: 12.386 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.006 min

Lab File: VU060806.D

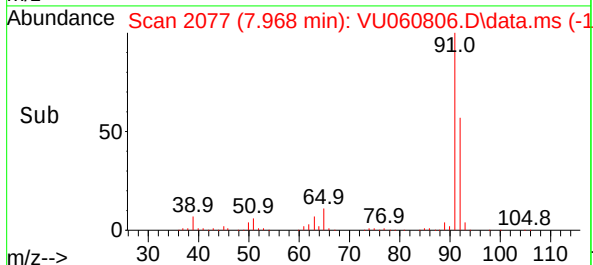
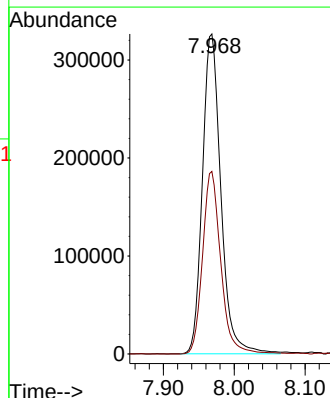
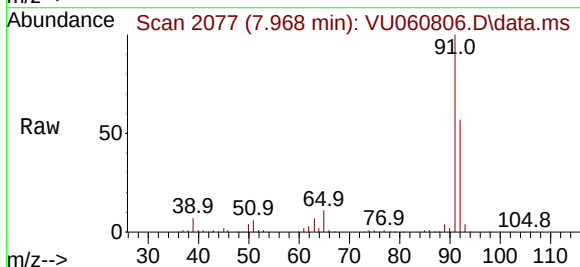
Acq: 17 Sep 2024 02:42

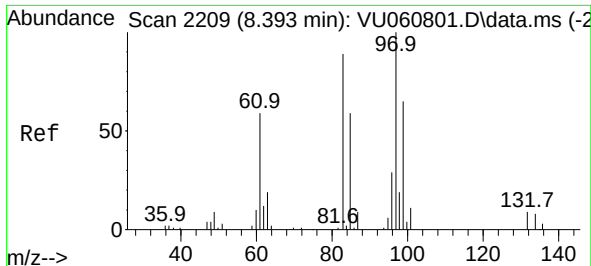
Tgt Ion: 91 Resp: 591430

Ion Ratio Lower Upper

91 100

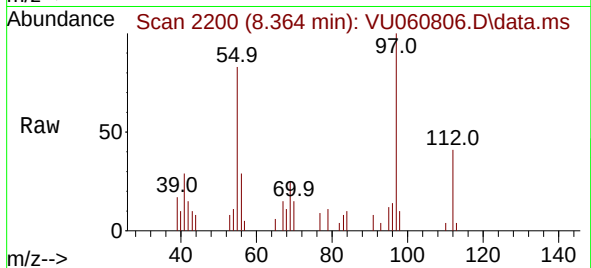
92 57.1 40.5 75.3



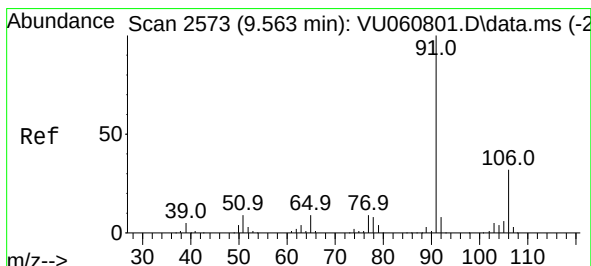
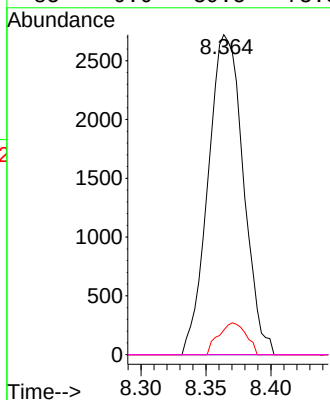
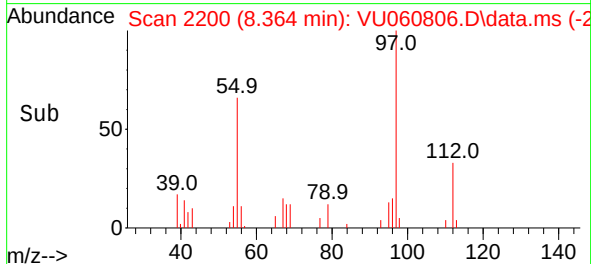


#45
1,1,2-Trichloroethane
Concen: 0.564 ug/L
RT: 8.364 min Scan# 2111
Delta R.T. -0.029 min
Lab File: VU060806.D
Acq: 17 Sep 2024 02:42

Instrument :
MSVOA_U
ClientSampleId :

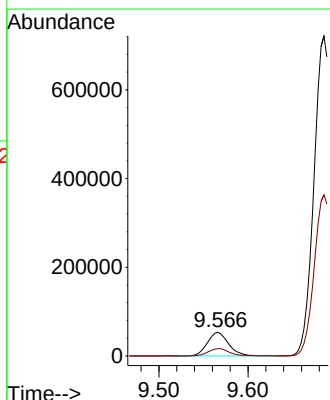
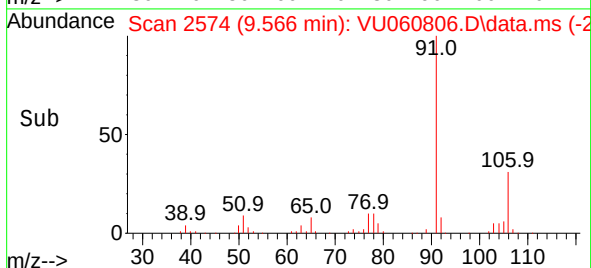
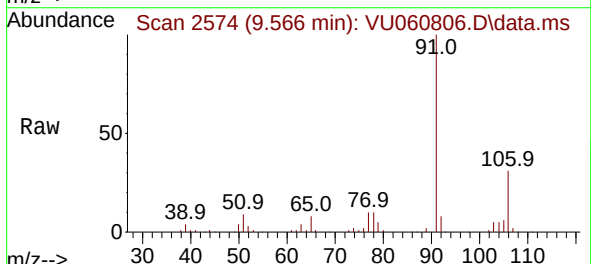


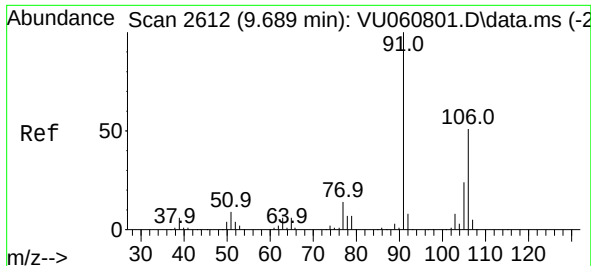
Tgt Ion:	97	Resp:	5125
Ion	Ratio	Lower	Upper
97	100		
99	0.0	42.3	78.5#
83	7.7	61.7	114.5#
85	0.0	39.5	73.3#



#52
Ethylbenzene
Concen: 1.752 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU060806.D
Acq: 17 Sep 2024 02:42

Tgt Ion:	91	Resp:	88078
Ion	Ratio	Lower	Upper
91	100		
106	30.9	21.8	40.6





#53

m,p-Xylene

Concen: 29.828 ug/L

RT: 9.685 min Scan# 2

Delta R.T. -0.003 min

Lab File: VU060806.D

Acq: 17 Sep 2024 02:42

Instrument :

MSVOA_U

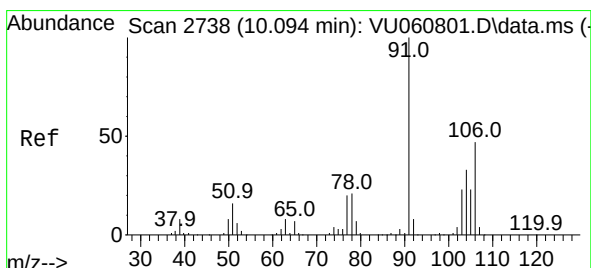
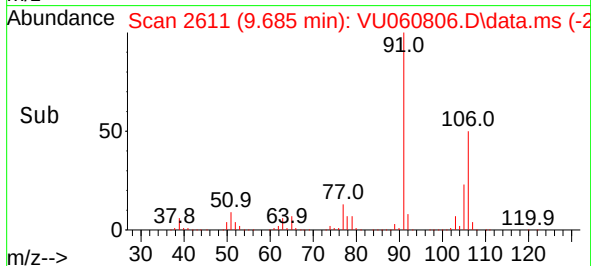
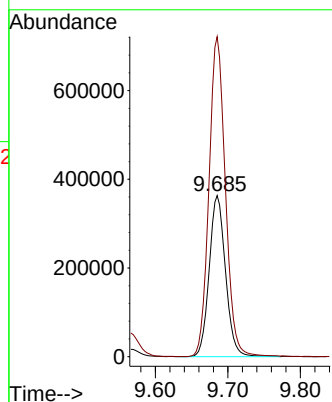
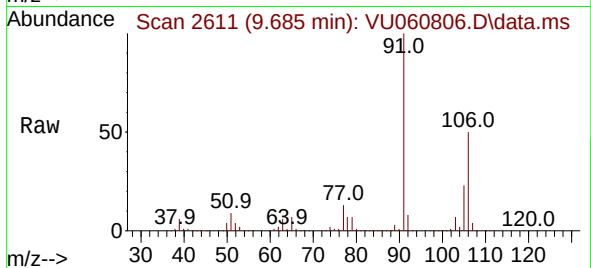
ClientSampleId :

Tgt Ion:106 Resp: 568544

Ion Ratio Lower Upper

106 100

91 198.6 139.7 259.4



#54

o-Xylene

Concen: 0.743 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. 0.003 min

Lab File: VU060806.D

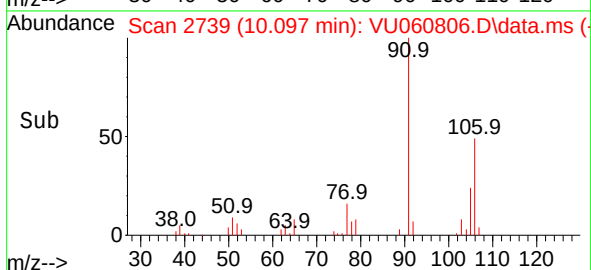
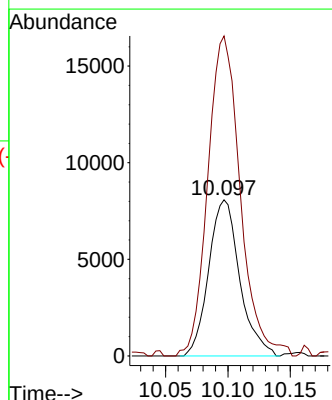
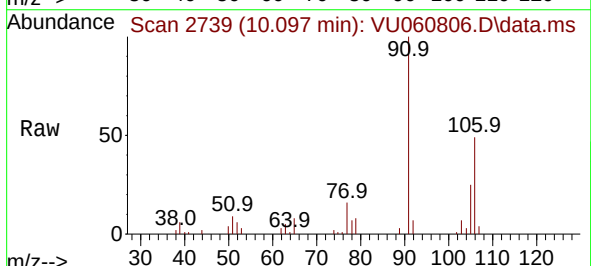
Acq: 17 Sep 2024 02:42

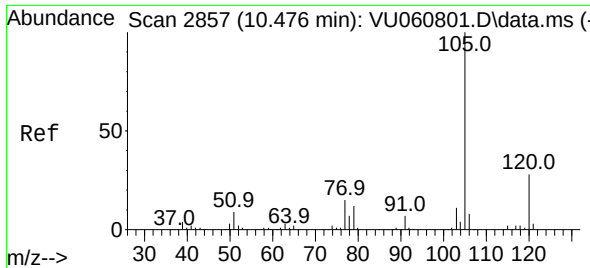
Tgt Ion:106 Resp: 13980

Ion Ratio Lower Upper

106 100

91 204.9 148.6 276.0

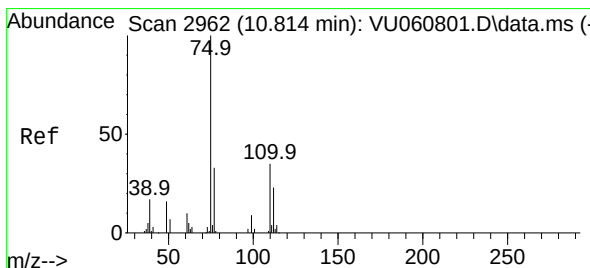
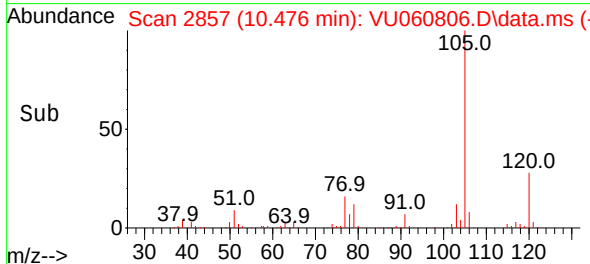
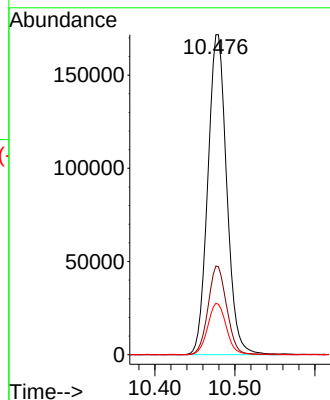
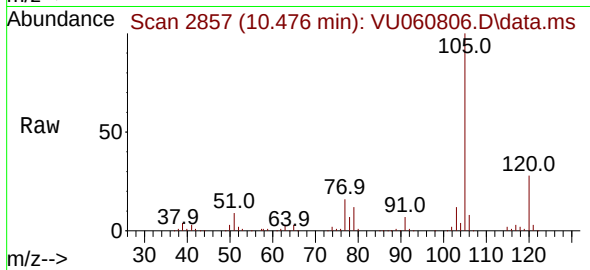




#60
Isopropylbenzene
Concen: 5.625 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU060806.D
Acq: 17 Sep 2024 02:42

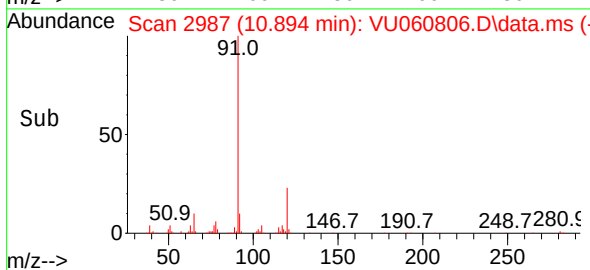
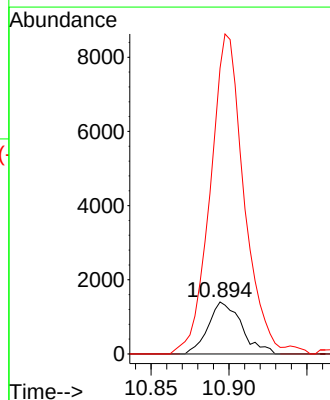
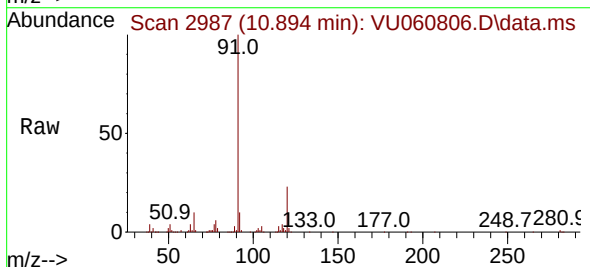
Instrument :
MSVOA_U
ClientSampleId :

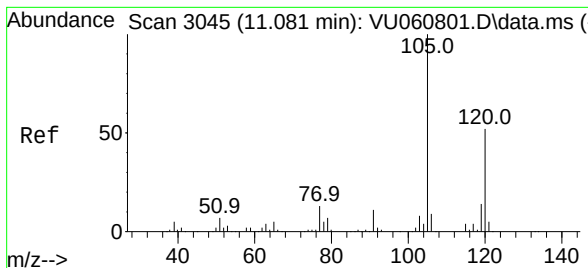
Tgt Ion:105 Resp: 282444
Ion Ratio Lower Upper
105 100
120 27.2 21.5 32.3
77 15.8 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 0.264 ug/L
RT: 10.894 min Scan# 2987
Delta R.T. 0.080 min
Lab File: VU060806.D
Acq: 17 Sep 2024 02:42

Tgt Ion: 75 Resp: 2087
Ion Ratio Lower Upper
75 100
110 0.0 28.6 43.0#
77 620.8 26.3 39.5#





#62

1,3,5-Trimethylbenzene

Concen: 29.129 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.379 min

Lab File: VU060806.D

Acq: 17 Sep 2024 02:42

Instrument :

MSVOA_U

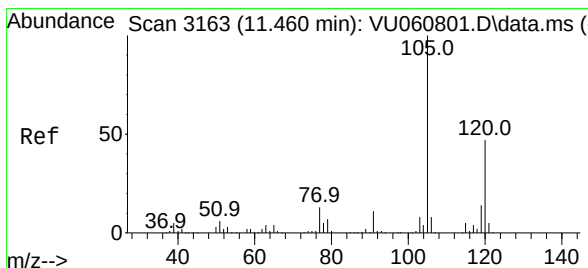
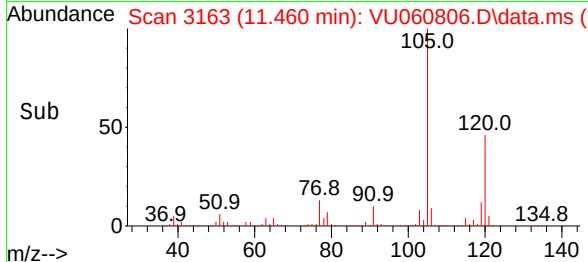
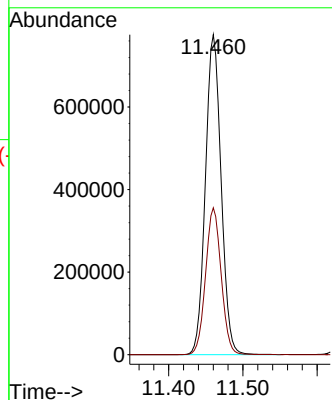
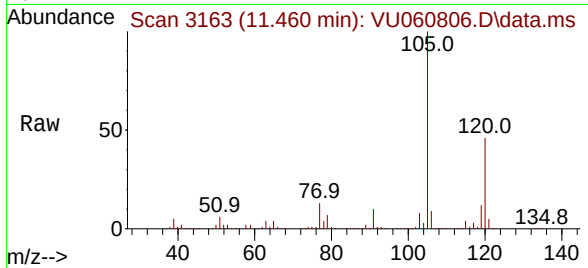
ClientSampleId :

Tgt Ion:105 Resp: 1136665

Ion Ratio Lower Upper

105 100

120 45.6 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 29.481 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU060806.D

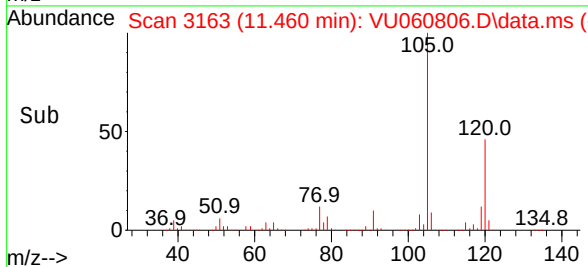
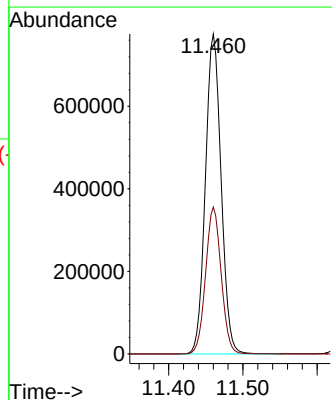
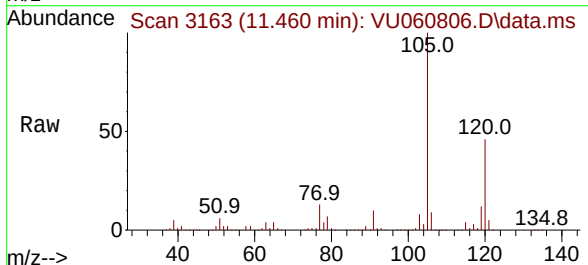
Acq: 17 Sep 2024 02:42

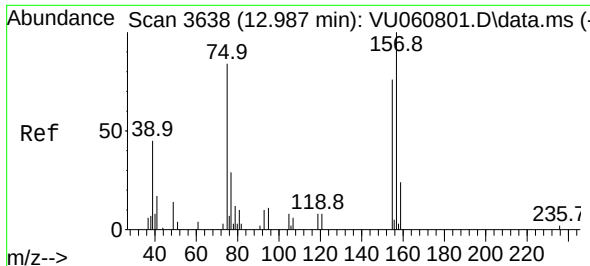
Tgt Ion:105 Resp: 1136665

Ion Ratio Lower Upper

105 100

120 45.6 36.1 54.1





#68

1,2-Dibromo-3-chloropropane

Concen: 5.403 ug/L

RT: 12.962 min Scan# 3

Delta R.T. -0.026 min

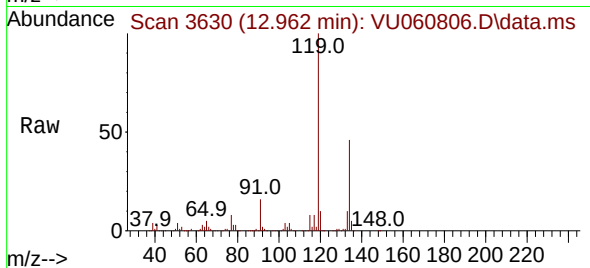
Lab File: VU060806.D

Acq: 17 Sep 2024 02:42

Instrument :

MSVOA_U

ClientSampleId :



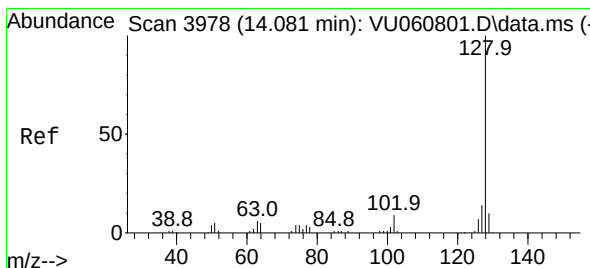
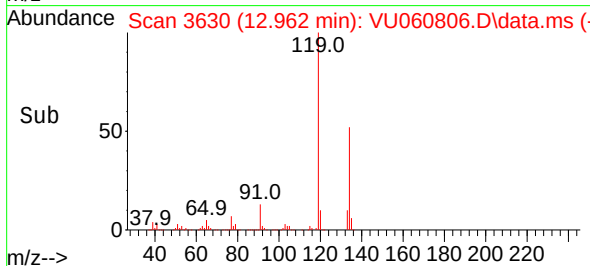
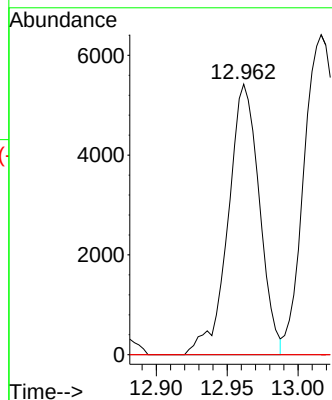
Tgt Ion: 75 Resp: 8337

Ion Ratio Lower Upper

75 100

155 0.0 73.1 109.7#

157 0.0 91.0 136.4#



#71

Naphthalene

Concen: 163.699 ug/L

RT: 14.074 min Scan# 3976

Delta R.T. -0.007 min

Lab File: VU060806.D

Acq: 17 Sep 2024 02:42

Tgt Ion:128 Resp: 2872129

Ion Ratio Lower Upper

128 100

129 10.9 8.3 12.5

127 12.9 10.7 16.1

