

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091624\
 Data File : VU060807.D
 Acq On : 17 Sep 2024 03:06
 Operator : MD/SY
 Sample : P3973-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 17 06:36:11 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	6.242	114	193776	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	190920	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	103417	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	27631	1.585	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	31.800%#
7) Chloroethane-d5	1.911	69	31971	2.576	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	51.600%#
11) 1,1-Dichloroethene-d2	2.560	65	13954	2.259	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	45.200%#
20) 2-Butanone-d5	4.653	46	91849	32.827	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	65.660%
24) Chloroform-d	5.055	84	80221	3.011	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	60.200%#
26) 1,2-Dichloroethane-d4	5.695	65	43165	3.389	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.800%#
32) Benzene-d6	5.721	84	162426	3.174	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	63.400%#
36) 1,2-Dichloropropane-d6	6.682	67	55073	3.478	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	69.600%
41) Toluene-d8	7.891	98	129916	2.785	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	55.600%#
43) trans-1,3-Dichloroprop...	8.174	79	12685	2.226	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	44.600%#
46) 2-Hexanone-d5	8.631	63	88410	39.326	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.660%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	48852	3.938	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.800%
66) 1,2-Dichlorobenzene-d4	12.184	152	60020	3.454	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	69.000%#
Target Compounds						
					Qvalue	
14) Carbon disulfide	2.789	76	3609	0.107	ug/L	97
15) Methyl Acetate	3.078	43	19967	4.387	ug/L #	52
18) trans-1,2-Dichloroethene	3.348	96	3554	0.281	ug/L	92
19) 1,1-Dichloroethane	3.866	63	12597	0.497	ug/L #	89
22) cis-1,2-Dichloroethene	4.660	96	14283	1.022	ug/L	92
27) 1,2-Dichloroethane	5.782	62	33857	2.210	ug/L #	91
30) Cyclohexane	5.380	56	76693	4.527	ug/L	99
33) Benzene	5.763	78	1743014	33.202	ug/L	100
35) Methylcyclohexane	6.753	83	109864	5.819	ug/L	97
42) Toluene	7.962	91	212477	3.871	ug/L	96
45) 1,1,2-Trichloroethane	8.364	97	5546	0.531	ug/L #	21
48) 2-Hexanone	8.624	43	84159	17.093	ug/L #	42
52) Ethylbenzene	9.560	91	14867573	257.295	ug/L	95
53) m,p-Xylene	9.563	106	4950375	225.944	ug/L #	55
54) o-Xylene	10.094	106	13417	0.621	ug/L	96
60) Isopropylbenzene	10.991	105	326192	5.322	ug/L #	64
62) 1,3,5-Trimethylbenzene	11.078	105	307219	6.450	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	1270667	26.999	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.962	75	4873	2.587	ug/L #	1

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Sep 17 02:49:32 2024
Response via : Initial Calibration

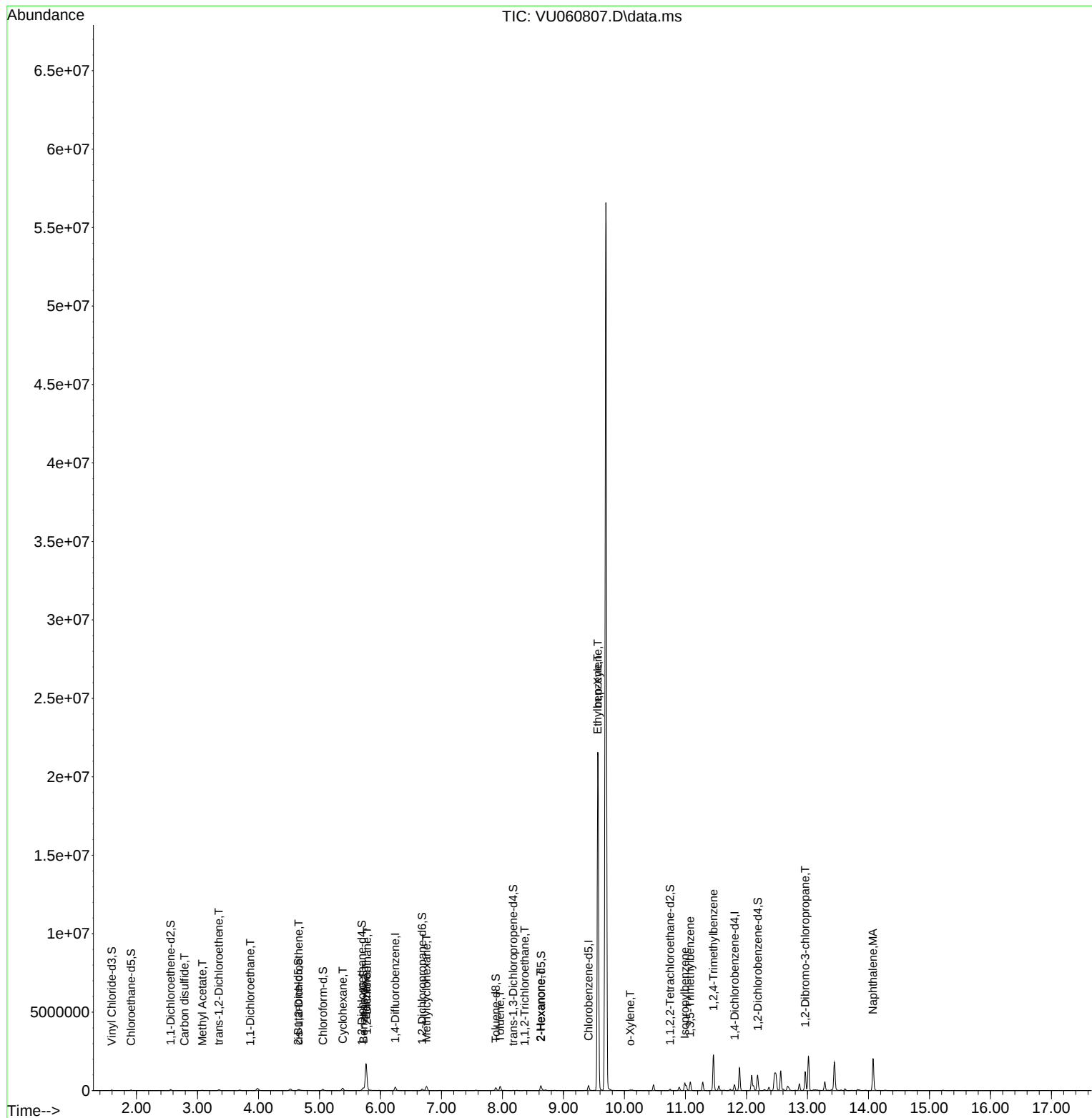
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.074	128	1642584	76.697	ug/L	99

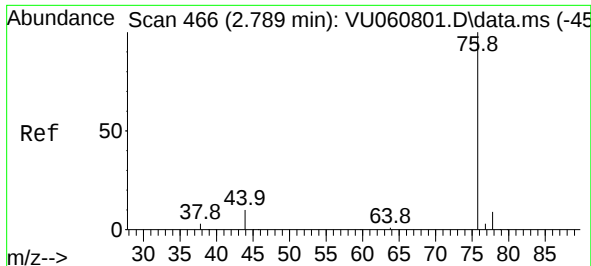
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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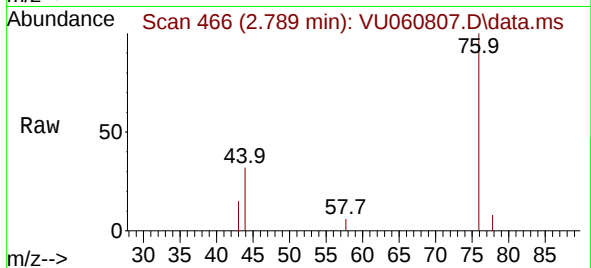
Quant Time: Sep 17 06:36:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0
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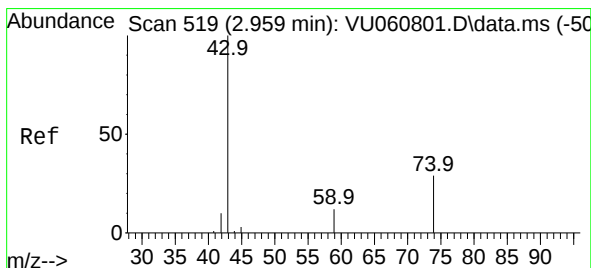
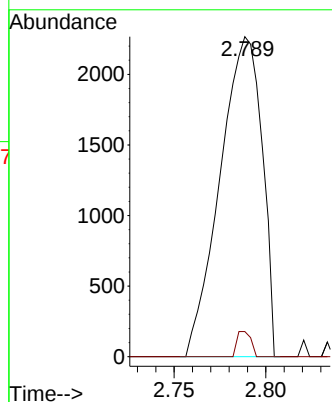
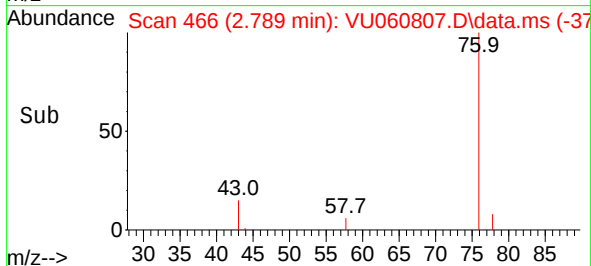


#14
Carbon disulfide
Concen: 0.107 ug/L
RT: 2.789 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU060807.D
Acq: 17 Sep 2024 03:06

Instrument :
MSVOA_U
ClientSampleId :

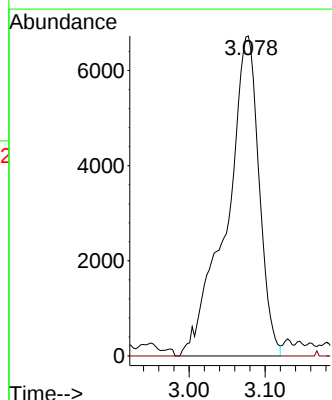
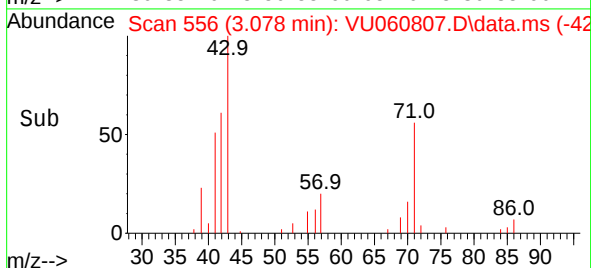
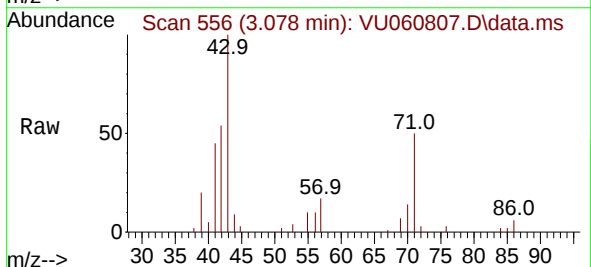


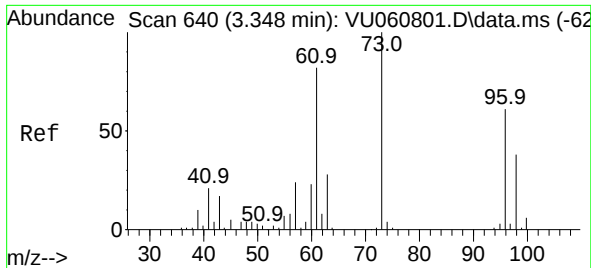
Tgt Ion: 76 Resp: 3609
Ion Ratio Lower Upper
76 100
78 7.9 7.1 10.7



#15
Methyl Acetate
Concen: 4.387 ug/L
RT: 3.078 min Scan# 556
Delta R.T. 0.119 min
Lab File: VU060807.D
Acq: 17 Sep 2024 03:06

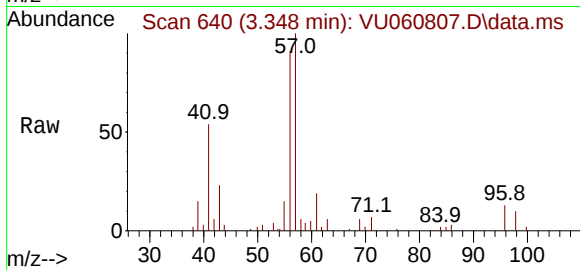
Tgt Ion: 43 Resp: 19967
Ion Ratio Lower Upper
43 100
74 0.1 18.9 28.3#





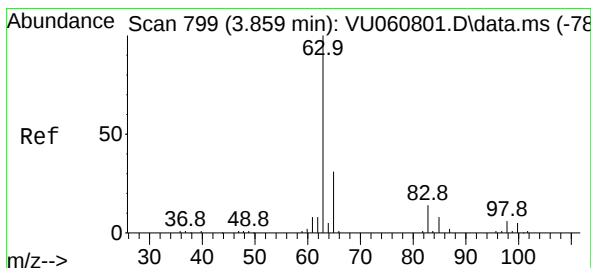
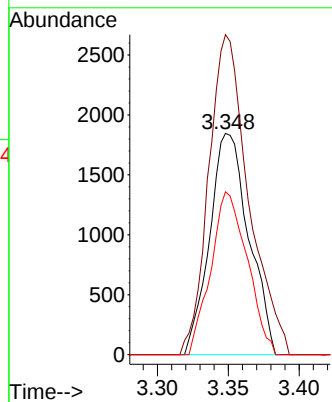
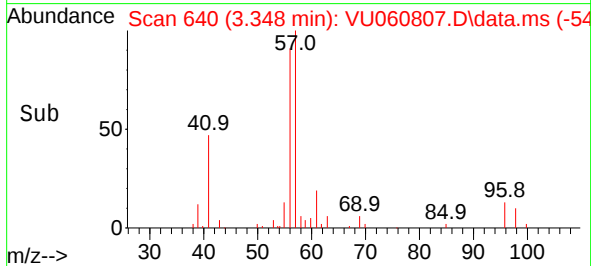
#18
trans-1,2-Dichloroethene
Concen: 0.281 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU060807.D
Acq: 17 Sep 2024 03:06

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 3554

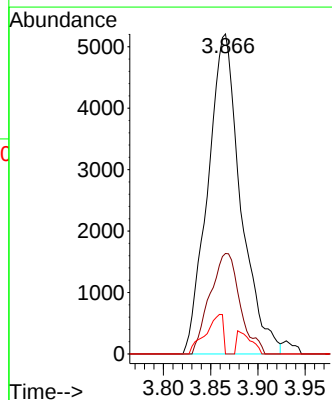
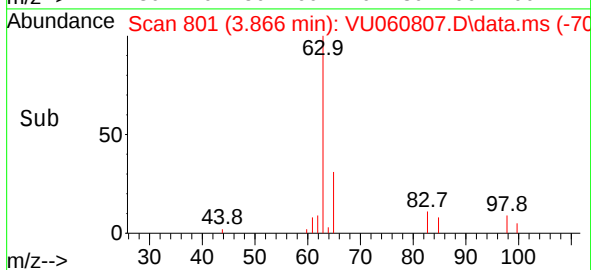
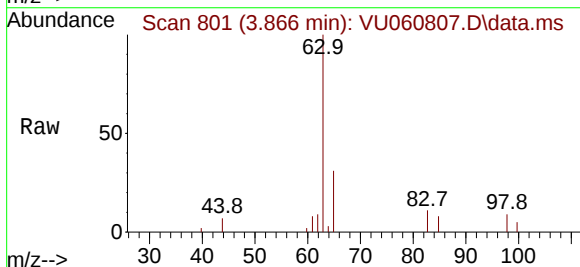
Ion	Ratio	Lower	Upper
96	100		
61	144.6	97.2	180.6
98	73.6	43.3	80.5

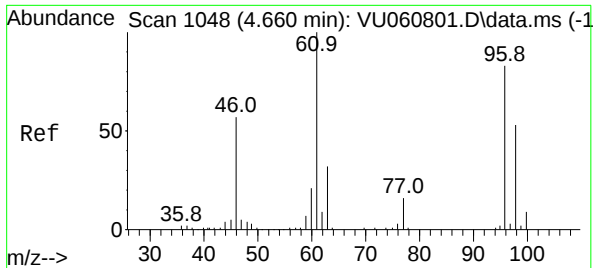


#19
1,1-Dichloroethane
Concen: 0.497 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.006 min
Lab File: VU060807.D
Acq: 17 Sep 2024 03:06

Tgt Ion: 63 Resp: 12597

Ion	Ratio	Lower	Upper
63	100		
65	31.4	23.0	42.8
83	0.0	9.0	16.6

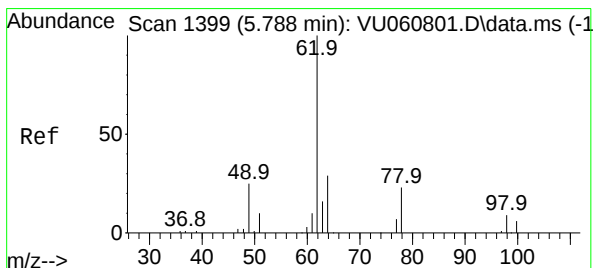
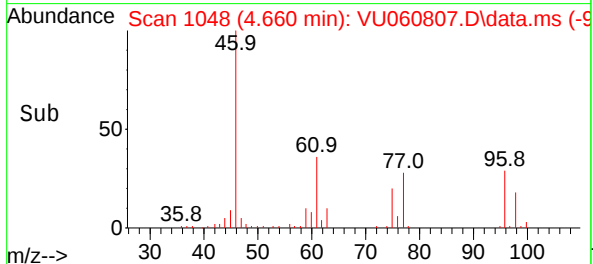
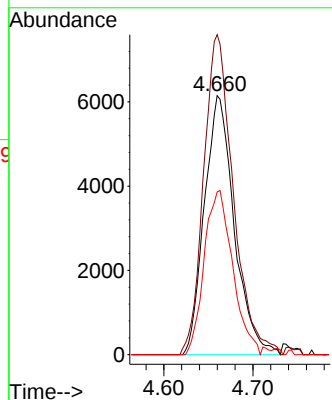
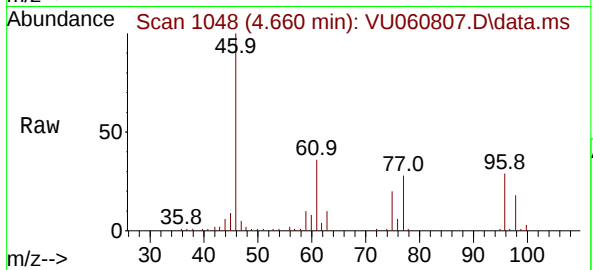




#22
cis-1,2-Dichloroethene
Concen: 1.022 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU060807.D
Acq: 17 Sep 2024 03:06

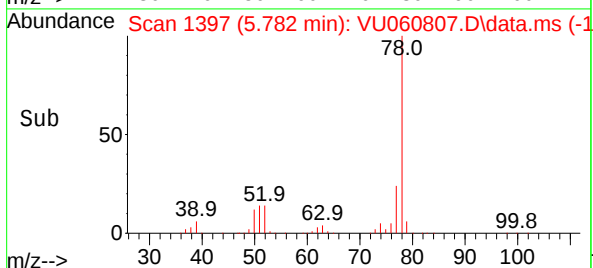
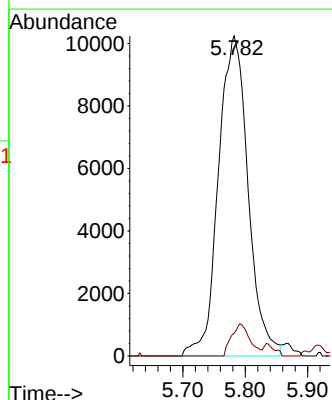
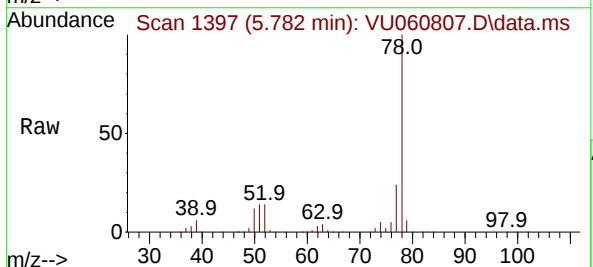
Instrument :
MSVOA_U
ClientSampleId :

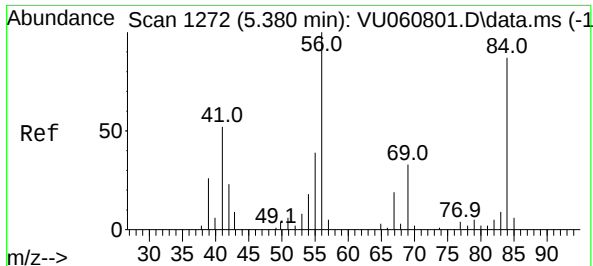
Tgt Ion: 96 Resp: 14283
Ion Ratio Lower Upper
96 100
61 117.6 89.7 166.5
98 59.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 2.210 ug/L
RT: 5.782 min Scan# 1397
Delta R.T. -0.006 min
Lab File: VU060807.D
Acq: 17 Sep 2024 03:06

Tgt Ion: 62 Resp: 33857
Ion Ratio Lower Upper
62 100
98 7.1 8.2 12.4#

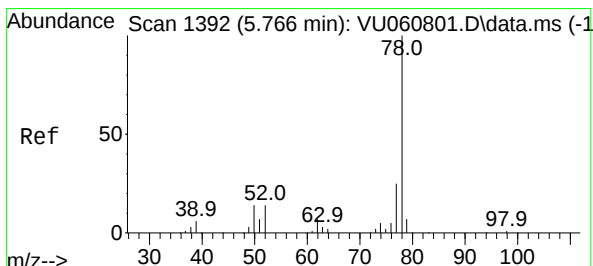
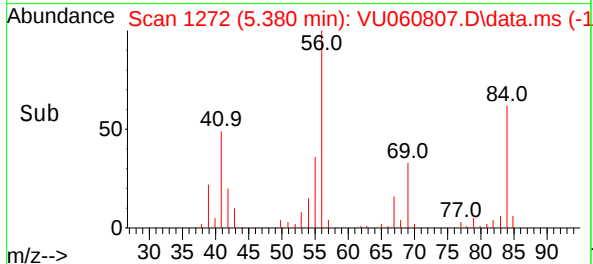
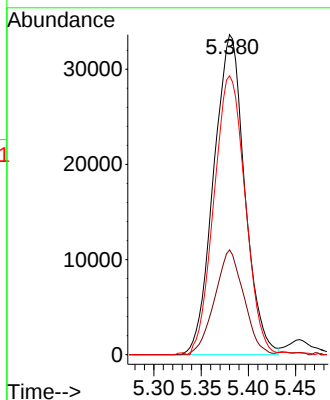
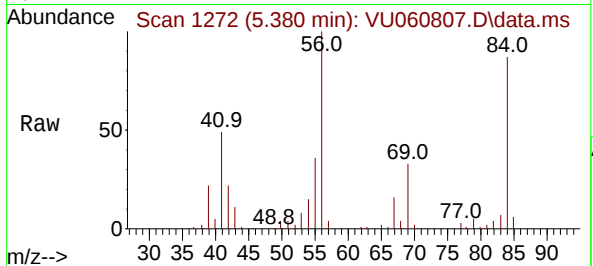




#30
Cyclohexane
Concen: 4.527 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU060807.D
Acq: 17 Sep 2024 03:06

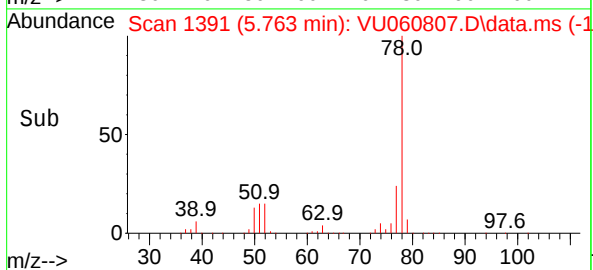
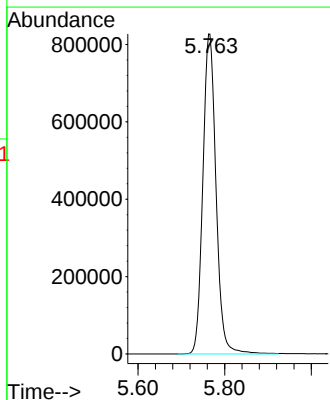
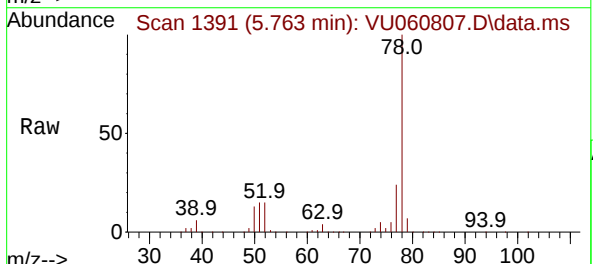
Instrument :
MSVOA_U
ClientSampleId :

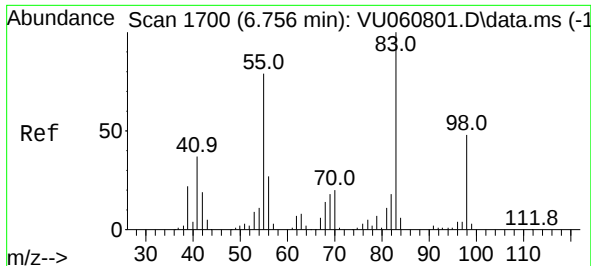
Tgt Ion:	56	Resp:	76693
Ion Ratio	Lower	Upper	
56	100		
69	30.7	25.4	38.0
84	87.9	71.0	106.6



#33
Benzene
Concen: 33.202 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU060807.D
Acq: 17 Sep 2024 03:06

Tgt Ion: 78 Resp: 1743014

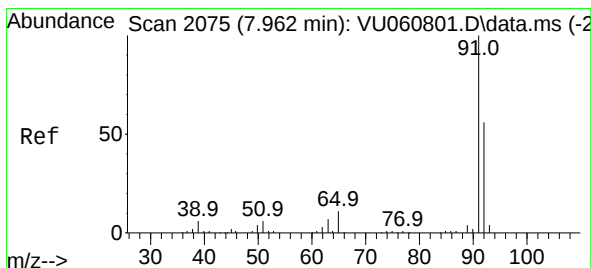
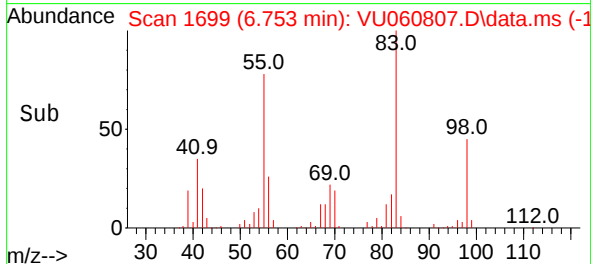
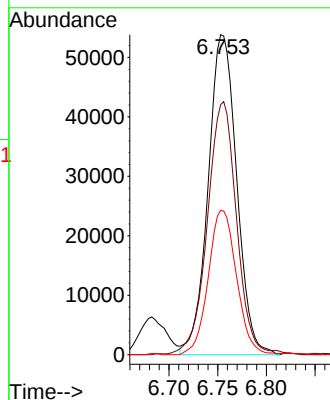
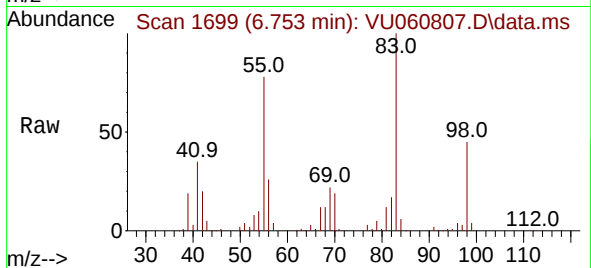




#35
Methylcyclohexane
Concen: 5.819 ug/L
RT: 6.753 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU060807.D
Acq: 17 Sep 2024 03:06

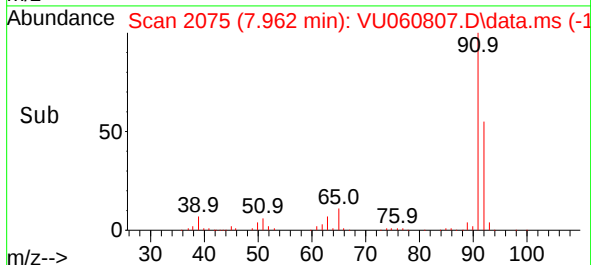
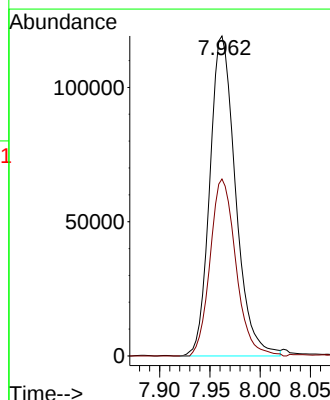
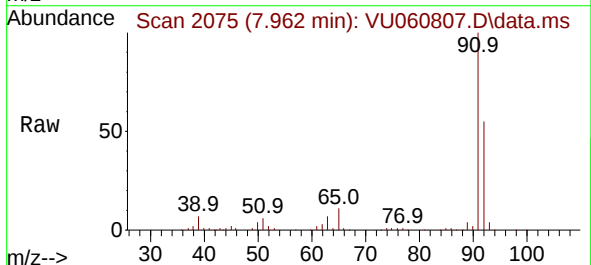
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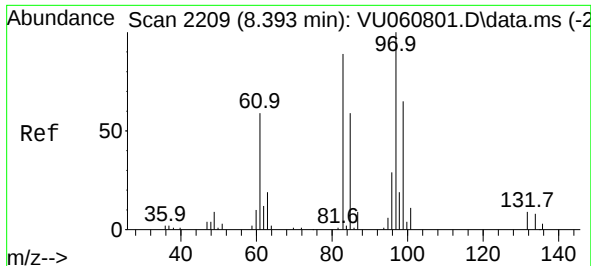
Tgt Ion: 83 Resp: 109864
Ion Ratio Lower Upper
83 100
55 81.1 62.6 94.0
98 44.8 37.6 56.4



#42
Toluene
Concen: 3.871 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. -0.000 min
Lab File: VU060807.D
Acq: 17 Sep 2024 03:06

Tgt Ion: 91 Resp: 212477
Ion Ratio Lower Upper
91 100
92 55.3 40.5 75.3





#45

1,1,2-Trichloroethane

Concen: 0.531 ug/L

RT: 8.364 min Scan# 2200

Delta R.T. -0.029 min

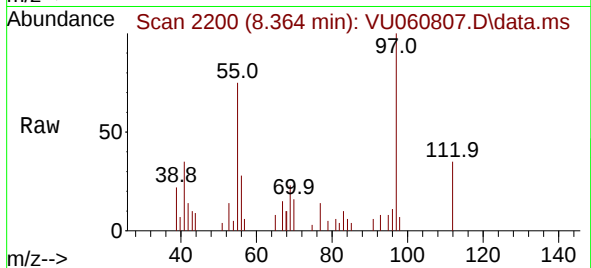
Lab File: VU060807.D

Acq: 17 Sep 2024 03:06

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 97 Resp: 5546

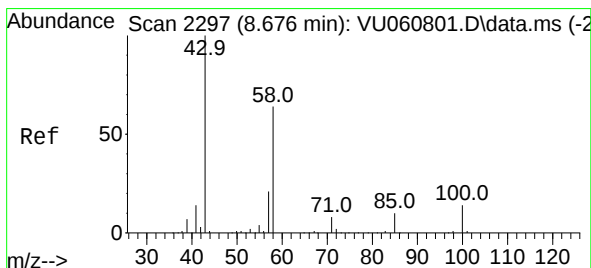
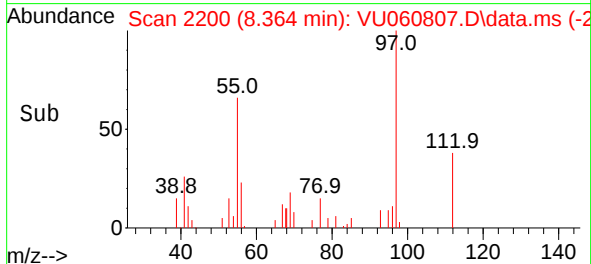
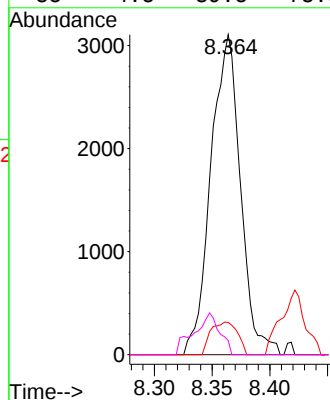
Ion Ratio Lower Upper

97 100

99 0.0 42.3 78.5#

83 10.1 61.7 114.5#

85 4.5 39.5 73.3#



#48

2-Hexanone

Concen: 17.093 ug/L

RT: 8.624 min Scan# 2281

Delta R.T. -0.051 min

Lab File: VU060807.D

Acq: 17 Sep 2024 03:06

Tgt Ion: 43 Resp: 84159

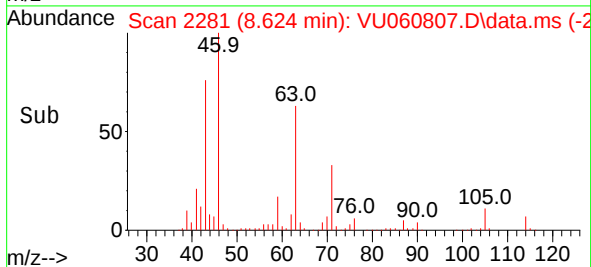
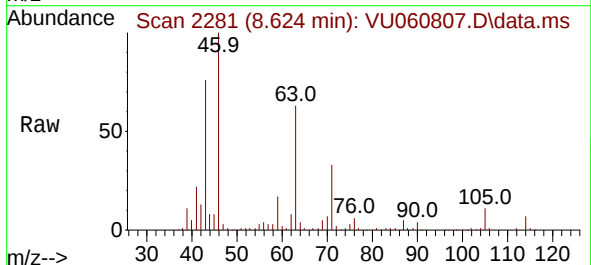
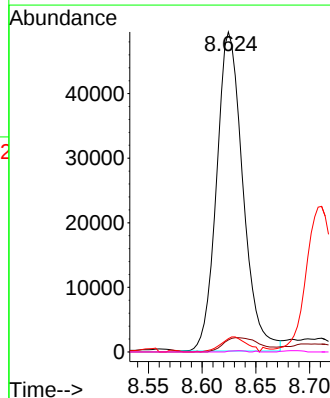
Ion Ratio Lower Upper

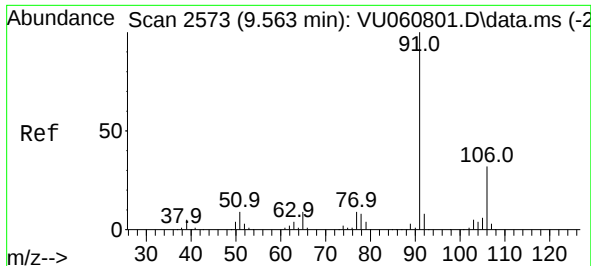
43 100

58 6.2 48.3 72.5#

57 4.5 15.9 23.9#

100 0.2 9.9 14.9#





#52

Ethylbenzene

Concen: 257.295 ug/L

RT: 9.560 min Scan# 2573

Delta R.T. -0.003 min

Lab File: VU060807.D

Acq: 17 Sep 2024 03:06

Instrument :

MSVOA_U

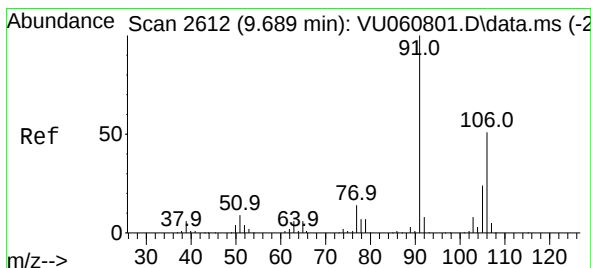
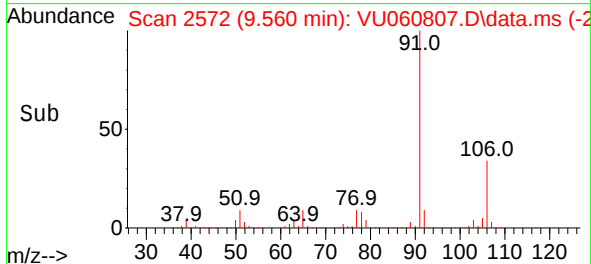
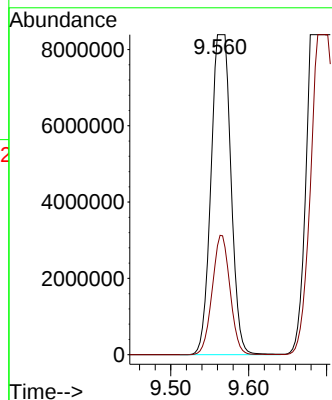
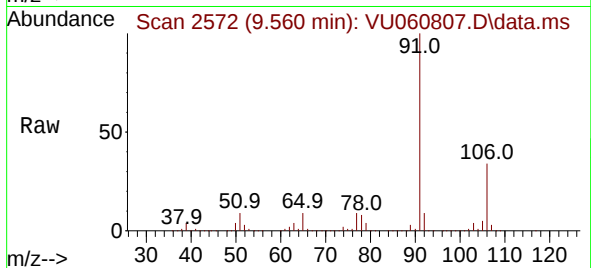
ClientSampleId :

Tgt Ion: 91 Resp:14867573

Ion Ratio Lower Upper

91 100

106 34.1 21.8 40.6



#53

m,p-Xylene

Concen: 225.944 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.125 min

Lab File: VU060807.D

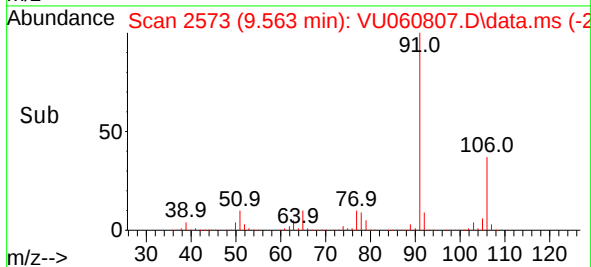
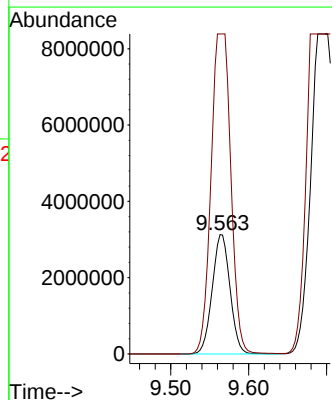
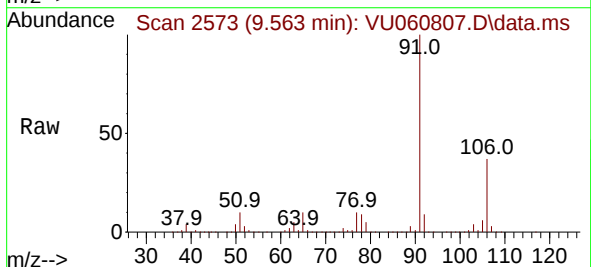
Acq: 17 Sep 2024 03:06

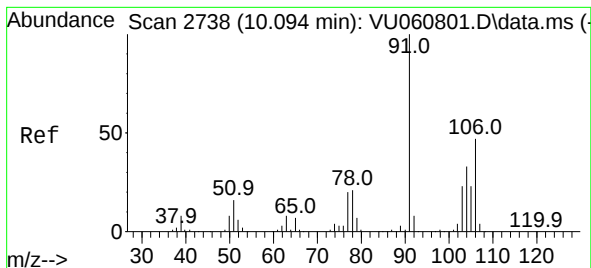
Tgt Ion:106 Resp: 4950375

Ion Ratio Lower Upper

106 100

91 267.9 139.7 259.4#





#54

o-Xylene

Concen: 0.621 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU060807.D

Acq: 17 Sep 2024 03:06

Instrument :

MSVOA_U

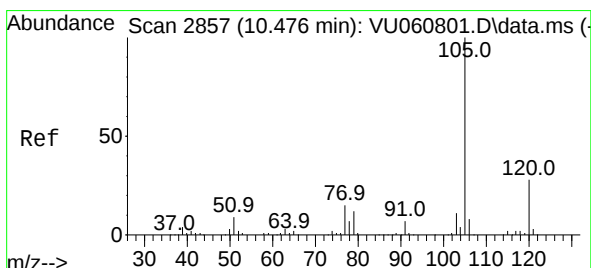
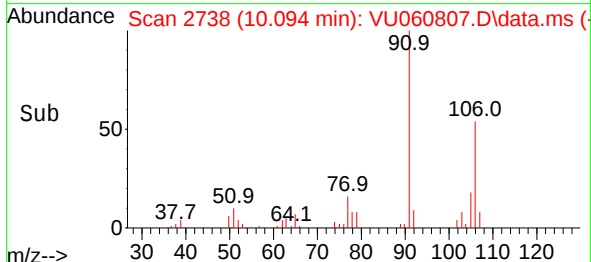
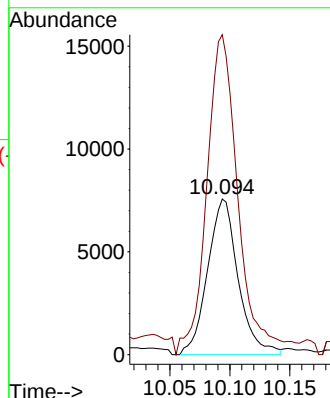
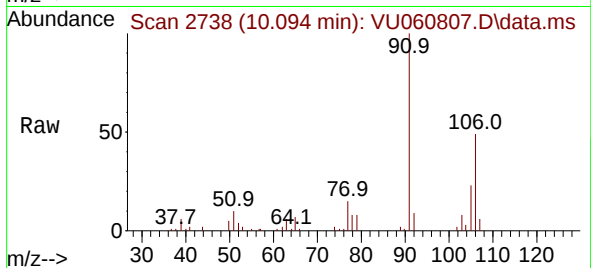
ClientSampleId :

Tgt Ion:106 Resp: 13417

Ion Ratio Lower Upper

106 100

91 205.6 148.6 276.0



#60

Isopropylbenzene

Concen: 5.322 ug/L

RT: 10.991 min Scan# 3017

Delta R.T. 0.514 min

Lab File: VU060807.D

Acq: 17 Sep 2024 03:06

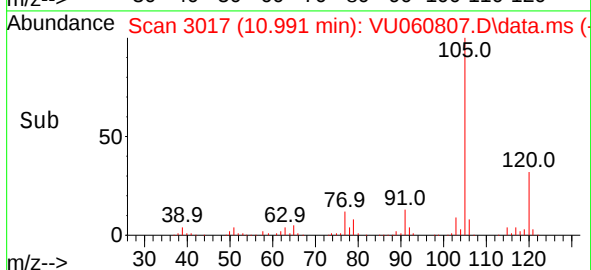
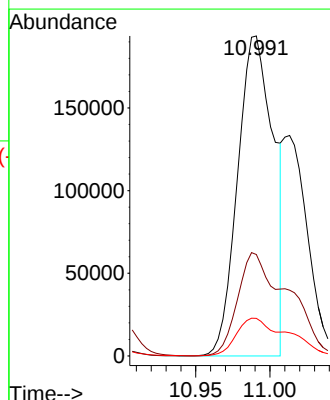
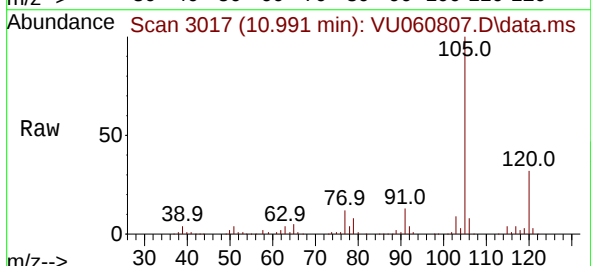
Tgt Ion:105 Resp: 326192

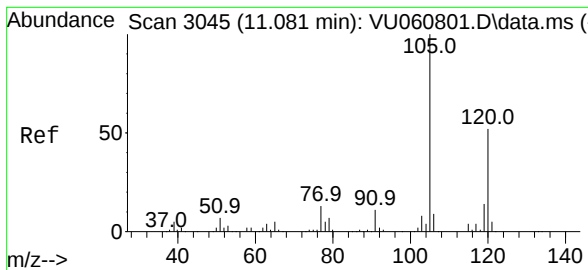
Ion Ratio Lower Upper

105 100

120 45.6 21.5 32.3#

77 0.0 12.6 18.8#





#62

1,3,5-Trimethylbenzene

Concen: 6.450 ug/L

RT: 11.078 min Scan# 3045

Delta R.T. -0.003 min

Lab File: VU060807.D

Acq: 17 Sep 2024 03:06

Instrument :

MSVOA_U

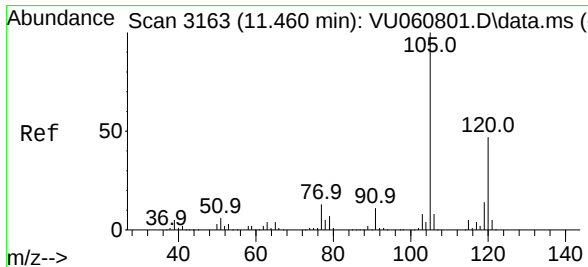
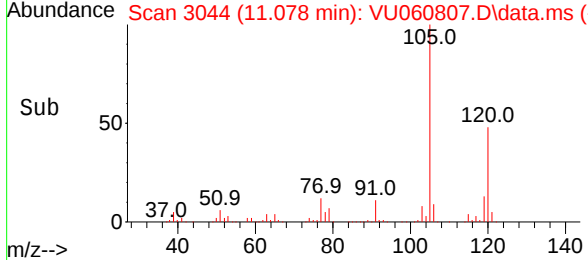
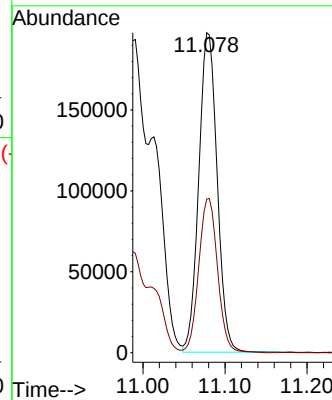
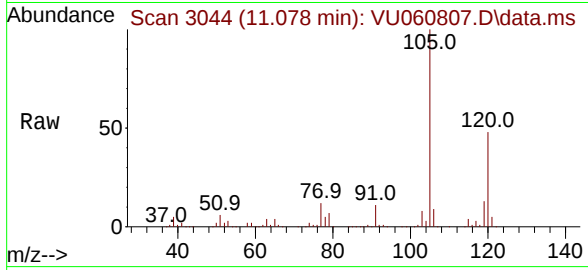
ClientSampleId :

Tgt Ion:105 Resp: 307219

Ion Ratio Lower Upper

105 100

120 49.6 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 26.999 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU060807.D

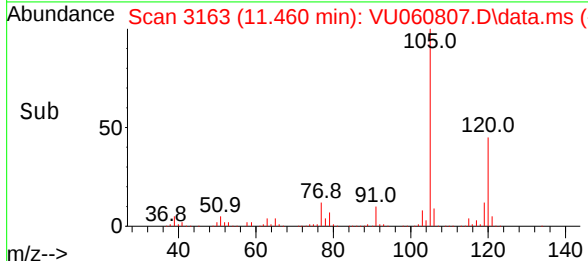
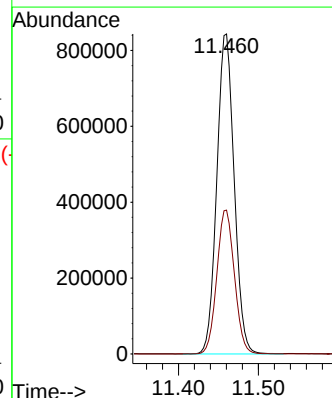
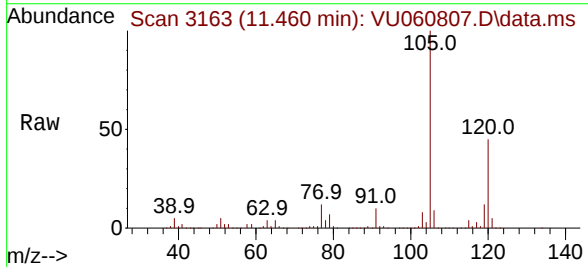
Acq: 17 Sep 2024 03:06

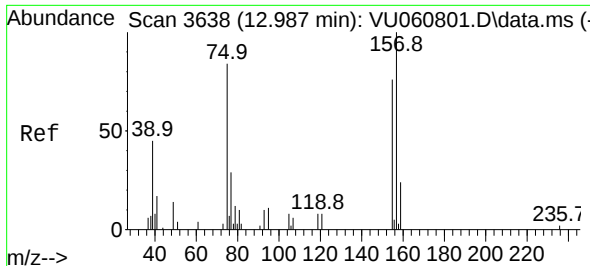
Tgt Ion:105 Resp: 1270667

Ion Ratio Lower Upper

105 100

120 45.5 36.1 54.1





#68

1,2-Dibromo-3-chloropropane

Concen: 2.587 ug/L

RT: 12.962 min Scan# 3630

Delta R.T. -0.026 min

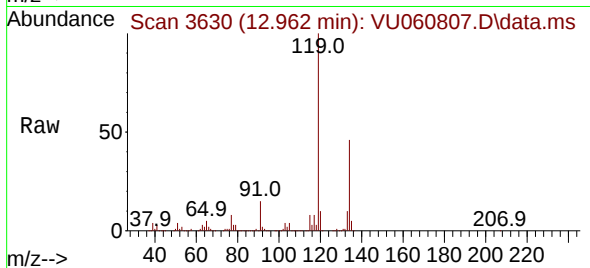
Lab File: VU060807.D

Acq: 17 Sep 2024 03:06

Instrument :

MSVOA_U

ClientSampleId :



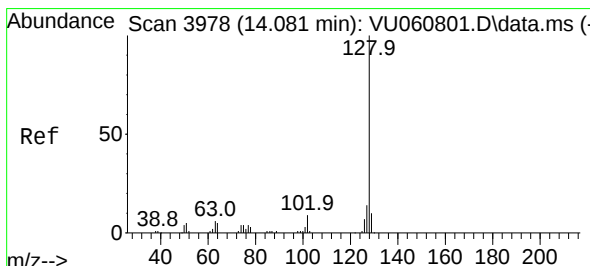
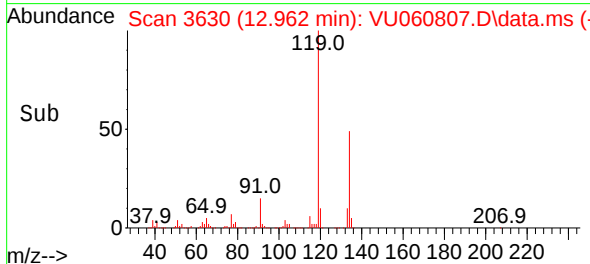
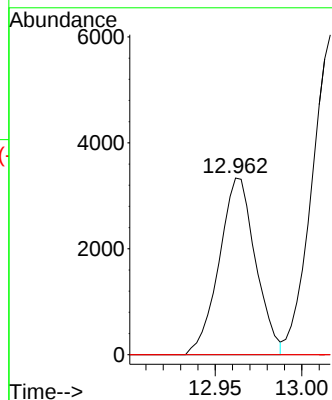
Tgt Ion: 75 Resp: 4873

Ion Ratio Lower Upper

75 100

155 0.0 73.1 109.7#

157 0.0 91.0 136.4#



#71

Naphthalene

Concen: 76.697 ug/L

RT: 14.074 min Scan# 3976

Delta R.T. -0.006 min

Lab File: VU060807.D

Acq: 17 Sep 2024 03:06

Tgt Ion:128 Resp: 1642584

Ion Ratio Lower Upper

128 100

129 10.9 8.3 12.5

127 13.1 10.7 16.1

