

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092024\
 Data File : VU060959.D
 Acq On : 20 Sep 2024 22:07
 Operator : MD/SY
 Sample : P4092-12 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 21 01:46:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 21 01:39:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	132832	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	135527	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	66948	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	34542	2.891	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.800%
7) Chloroethane-d5	1.898	69	37127	4.365	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.200%
11) 1,1-Dichloroethene-d2	2.554	65	14512	3.427	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.600%
20) 2-Butanone-d5	4.621	46	103910	54.177	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.360%
24) Chloroform-d	5.052	84	79595	4.358	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
26) 1,2-Dichloroethane-d4	5.692	65	40821	4.676	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	5.718	84	142798	3.931	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.600%
36) 1,2-Dichloropropane-d6	6.682	67	52112	4.637	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.800%
41) Toluene-d8	7.891	98	114824	3.467	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.400%#
43) trans-1,3-Dichloroprop...	8.174	79	16112	3.983	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.600%
46) 2-Hexanone-d5	8.634	63	90456	56.682	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.360%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	45428	5.159	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	50289	4.470	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	39097	3.410	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	2565	0.280	ug/L #	78
12) 1,1-Dichloroethene	2.567	96	9006	1.078	ug/L #	41
16) Methylene chloride	3.036	84	48599	5.023	ug/L	97
19) 1,1-Dichloroethane	3.859	63	4248	0.244	ug/L	95
22) cis-1,2-Dichloroethene	4.653	96	125236	13.070	ug/L	97
25) Chloroform	5.081	83	3833	0.211	ug/L	93
29) 1,1,1-Trichloroethane	5.306	97	12191	0.833	ug/L	96
34) Trichloroethene	6.531	95	644767	66.002	ug/L	98
35) Methylcyclohexane	6.756	83	963	0.072	ug/L #	37
37) 1,2-Dichloropropane	6.682	63	5697	0.555	ug/L #	93
42) Toluene	7.965	91	13181	0.338	ug/L	100
47) Tetrachloroethene	8.544	164	67251	8.663	ug/L	96
49) Dibromochloromethane	8.547	129	66725	7.907	ug/L #	9
52) Ethylbenzene	9.563	91	59235	1.444	ug/L	97
53) m,p-Xylene	9.685	106	93565	6.016	ug/L	95
54) o-Xylene	10.094	106	60315	3.930	ug/L	95
55) Styrene	10.090	104	5329	0.206	ug/L #	1
60) Isopropylbenzene	11.286	105	31904	0.804	ug/L	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092024\
Data File : VU060959.D
Acq On : 20 Sep 2024 22:07
Operator : MD/SY
Sample : P4092-12 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Sep 21 01:46:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Sep 21 01:39:49 2024
Response via : Initial Calibration

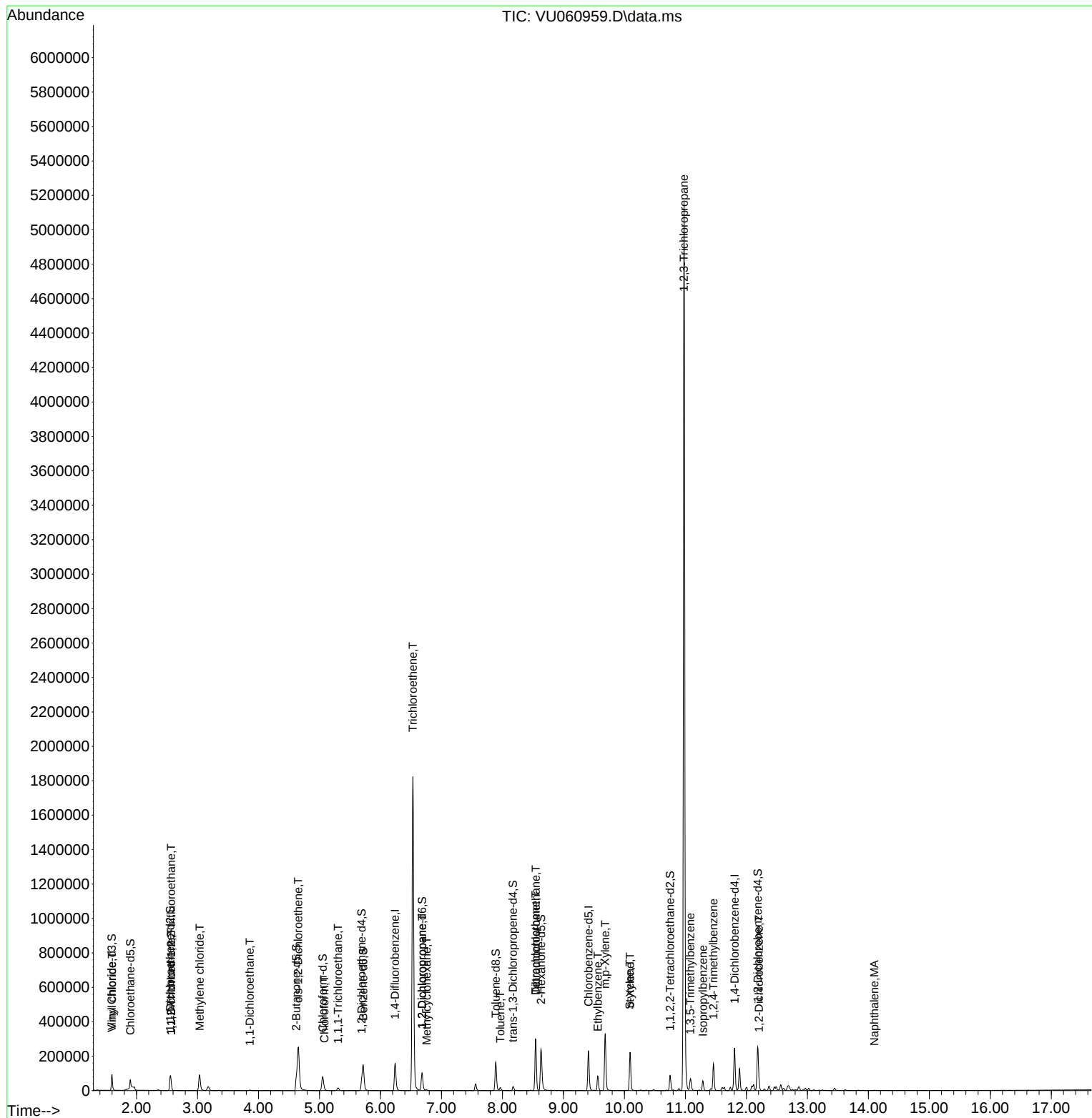
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.978	75	78614	12.590	ug/L #	55
62) 1,3,5-Trimethylbenzene	11.081	105	28638	0.929	ug/L	96
63) 1,2,4-Trimethylbenzene	11.460	105	82367	2.703	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	9530	0.505	ug/L	98
71) Naphthalene	14.100	128	2913	0.210	ug/L #	78

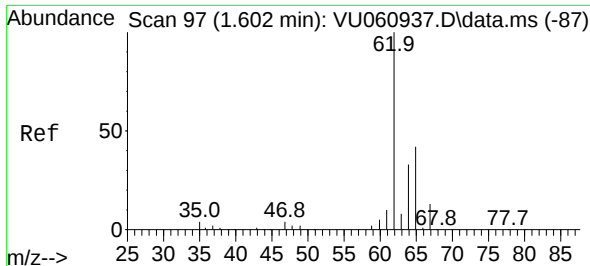
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092024\
Data File : VU060959.D
Acq On : 20 Sep 2024 22:07
Operator : MD/SY
Sample : P4092-12 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Sep 21 01:46:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Sep 21 01:39:49 2024
Response via : Initial Calibration

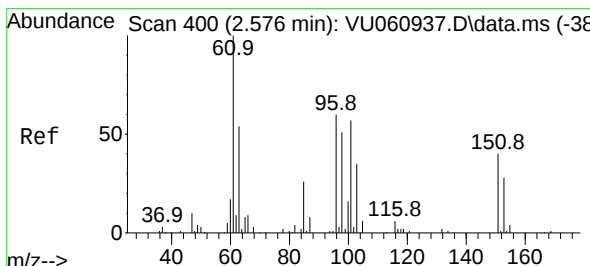
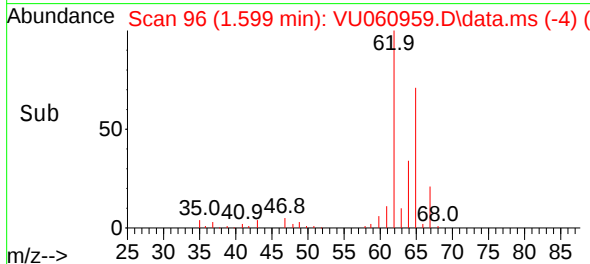
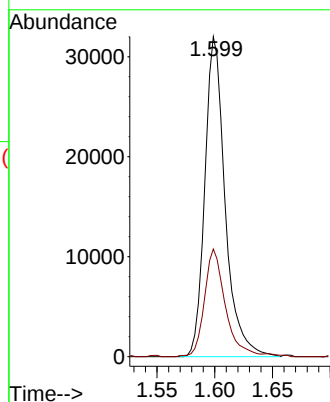
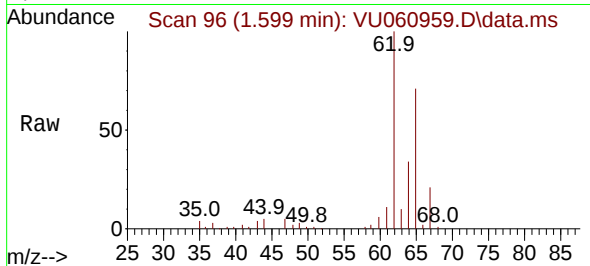




#5
 Vinyl chloride
 Concen: 3.410 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU060959.D
 Acq: 20 Sep 2024 22:07

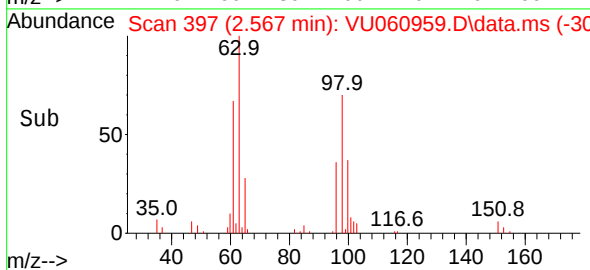
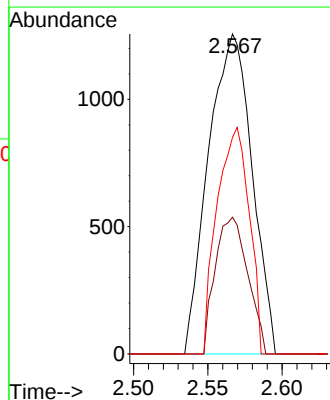
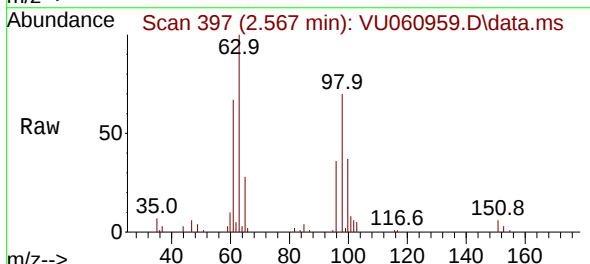
Instrument :
 MSVOA_U
 ClientSampleId :

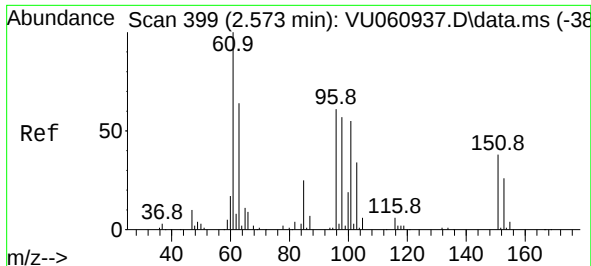
Tgt Ion: 62 Resp: 39097
 Ion Ratio Lower Upper
 62 100
 64 33.6 24.0 44.6



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.280 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.010 min
 Lab File: VU060959.D
 Acq: 20 Sep 2024 22:07

Tgt Ion: 101 Resp: 2565
 Ion Ratio Lower Upper
 101 100
 85 31.9 34.2 51.4#
 151 52.0 58.6 88.0#

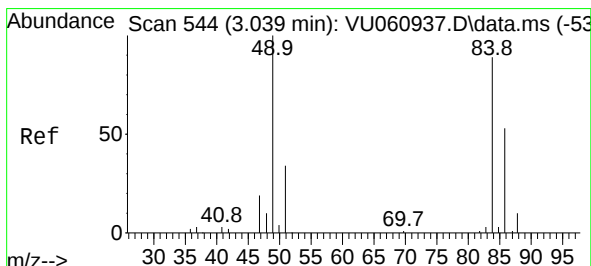
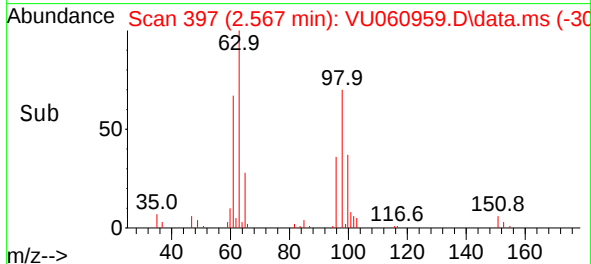
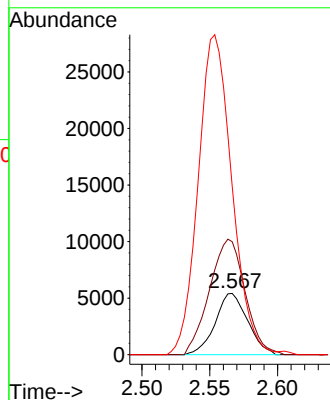
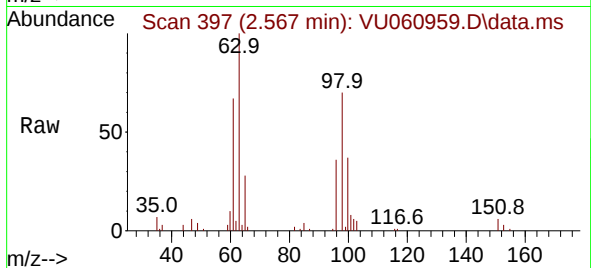




#12
1,1-Dichloroethene
Concen: 1.078 ug/L
RT: 2.567 min Scan# 399
Delta R.T. -0.007 min
Lab File: VU060959.D
Acq: 20 Sep 2024 22:07

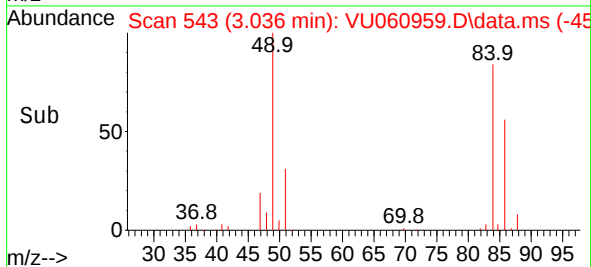
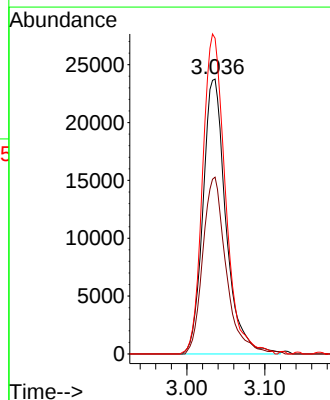
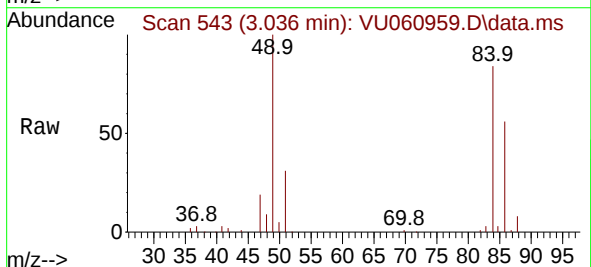
Instrument :
MSVOA_U
ClientSampleId :

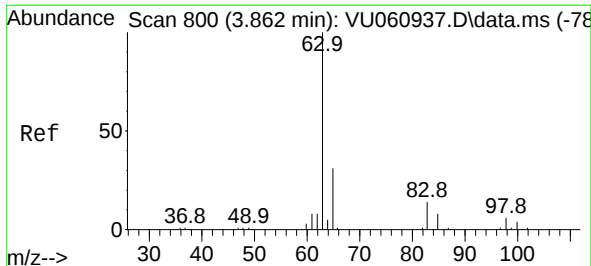
Tgt Ion: 96 Resp: 9006
Ion Ratio Lower Upper
96 100
61 184.1 120.7 224.1
63 274.9 90.0 167.2#



#16
Methylene chloride
Concen: 5.023 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU060959.D
Acq: 20 Sep 2024 22:07

Tgt Ion: 84 Resp: 48599
Ion Ratio Lower Upper
84 100
86 64.3 47.3 87.8
49 114.9 78.7 146.1





#19

1,1-Dichloroethane

Concen: 0.244 ug/L

RT: 3.859 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU060959.D

Acq: 20 Sep 2024 22:07

Instrument :

MSVOA_U

ClientSampleId :

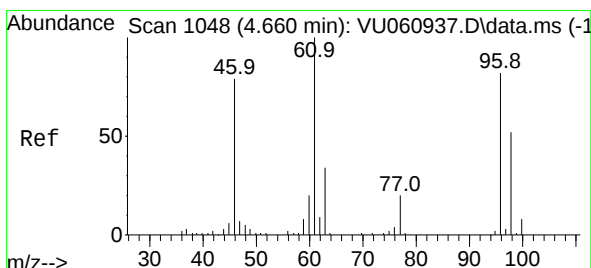
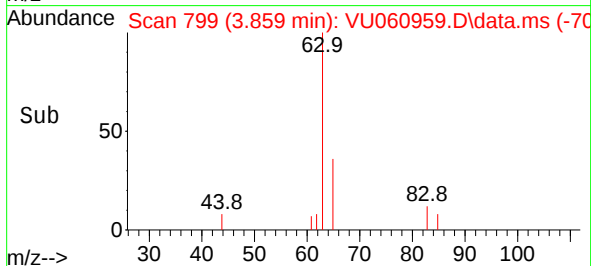
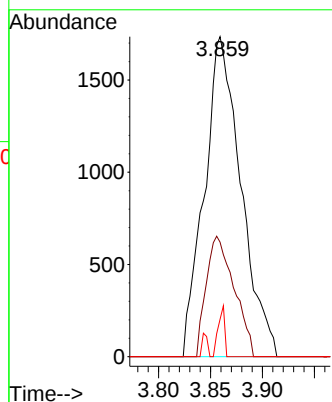
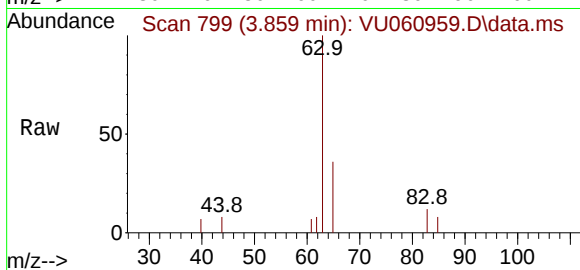
Tgt Ion: 63 Resp: 4248

Ion Ratio Lower Upper

63 100

65 35.8 23.0 42.8

83 11.6 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 13.070 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. -0.007 min

Lab File: VU060959.D

Acq: 20 Sep 2024 22:07

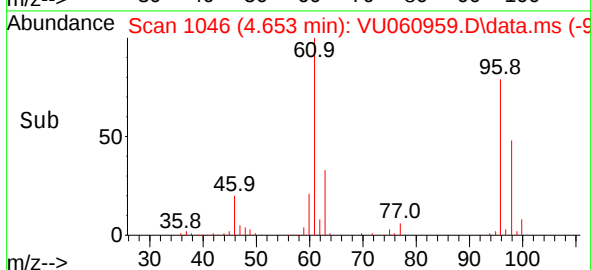
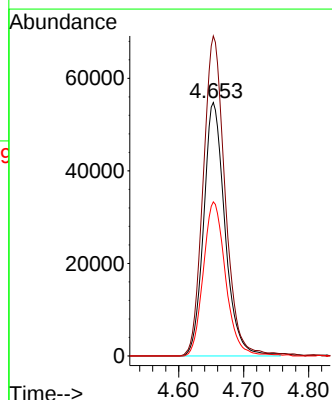
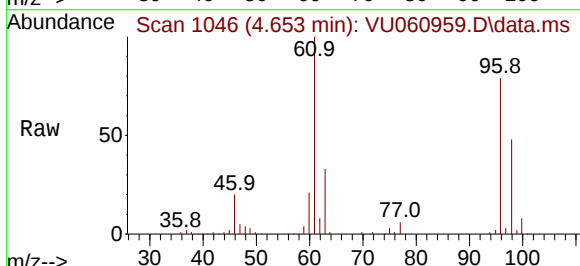
Tgt Ion: 96 Resp: 125236

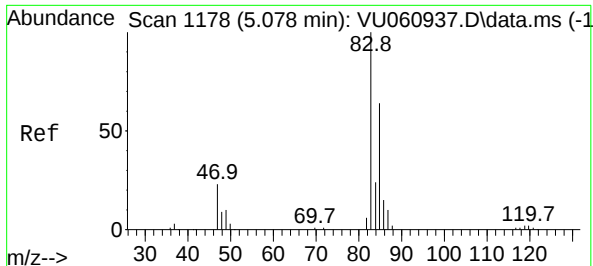
Ion Ratio Lower Upper

96 100

61 126.2 89.7 166.5

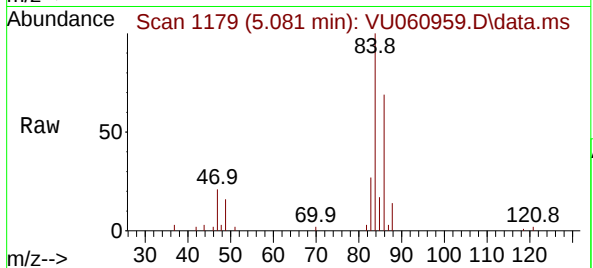
98 60.8 45.1 83.9



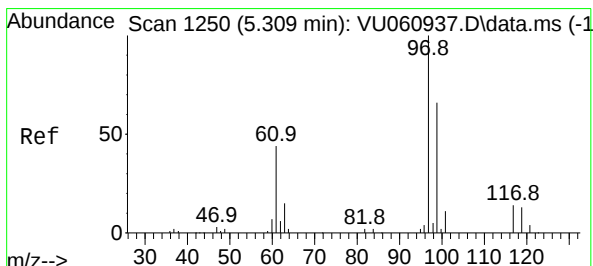
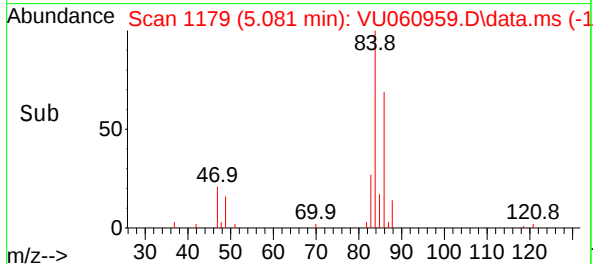
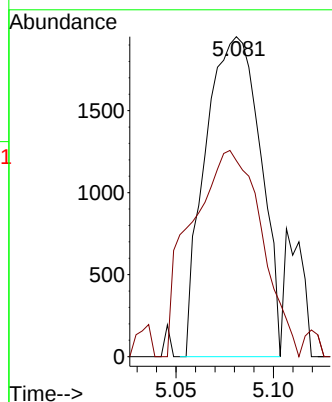


#25
Chloroform
Concen: 0.211 ug/L
RT: 5.081 min Scan# 1178
Delta R.T. 0.003 min
Lab File: VU060959.D
Acq: 20 Sep 2024 22:07

Instrument :
MSVOA_U
ClientSampleId :

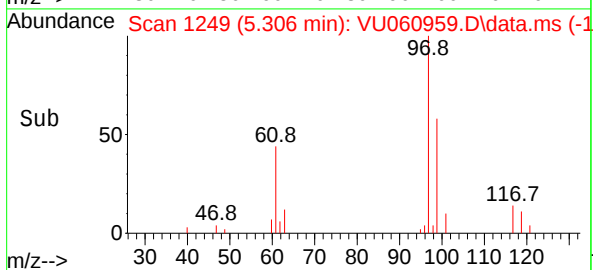
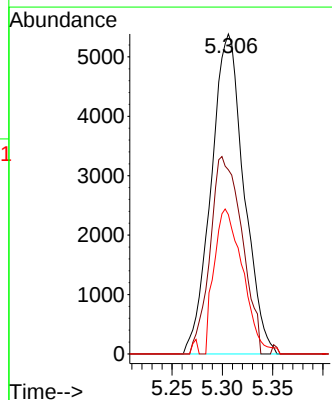
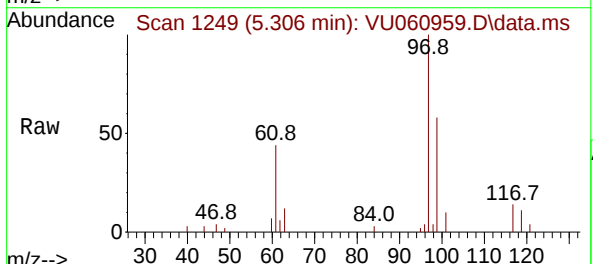


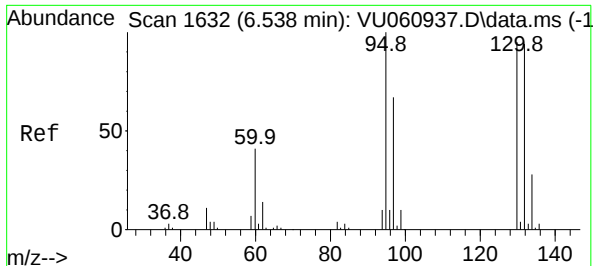
Tgt Ion: 83 Resp: 3833
Ion Ratio Lower Upper
83 100
85 61.3 46.8 86.8



#29
1,1,1-Trichloroethane
Concen: 0.833 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.003 min
Lab File: VU060959.D
Acq: 20 Sep 2024 22:07

Tgt Ion: 97 Resp: 12191
Ion Ratio Lower Upper
97 100
99 60.1 50.5 75.7
61 39.8 34.4 51.6

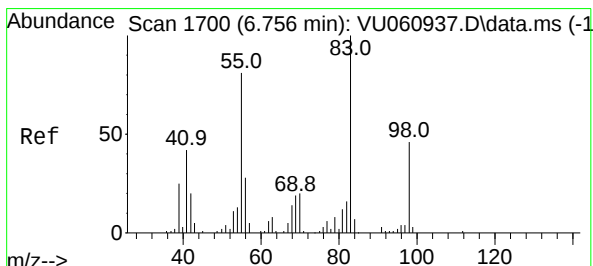
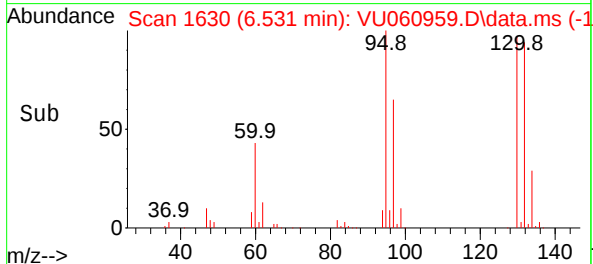
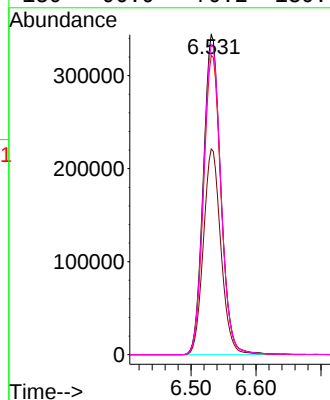
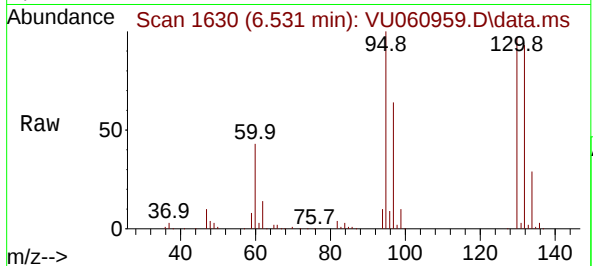




#34
Trichloroethene
Concen: 66.002 ug/L
RT: 6.531 min Scan# 1
Delta R.T. -0.007 min
Lab File: VU060959.D
Acq: 20 Sep 2024 22:07

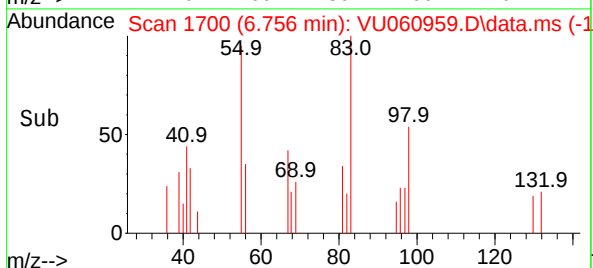
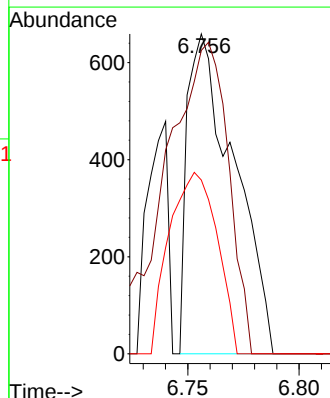
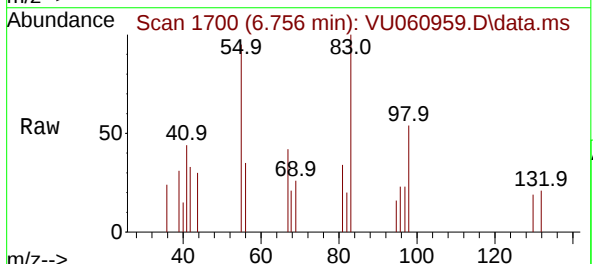
Instrument :
MSVOA_U
ClientSampleId :

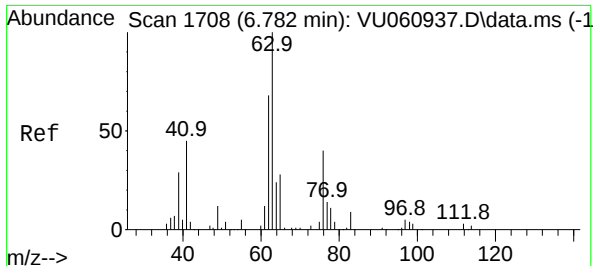
Tgt Ion: 95 Resp: 644767
Ion Ratio Lower Upper
95 100
97 64.3 44.9 83.5
132 93.5 63.5 117.9
130 96.9 70.2 130.4



#35
Methylcyclohexane
Concen: 0.072 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU060959.D
Acq: 20 Sep 2024 22:07

Tgt Ion: 83 Resp: 963
Ion Ratio Lower Upper
83 100
55 129.7 62.6 94.0#
98 0.0 37.6 56.4#

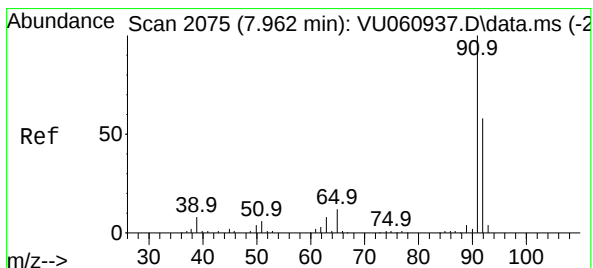
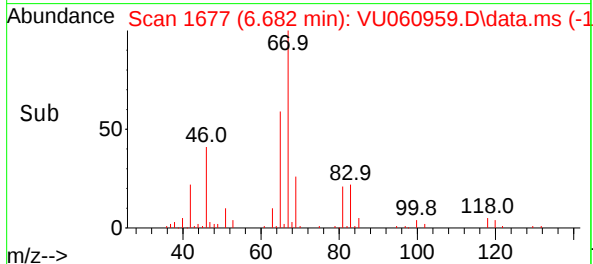
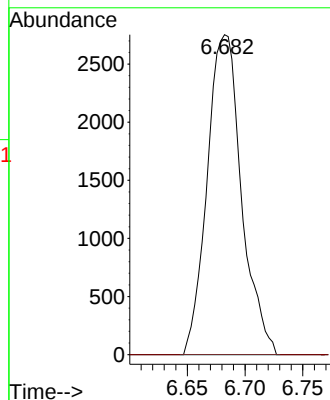
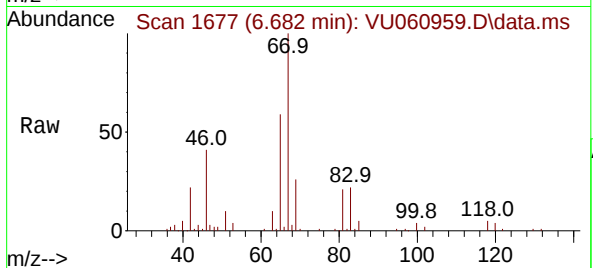




#37
1,2-Dichloropropane
Concen: 0.555 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU060959.D
Acq: 20 Sep 2024 22:07

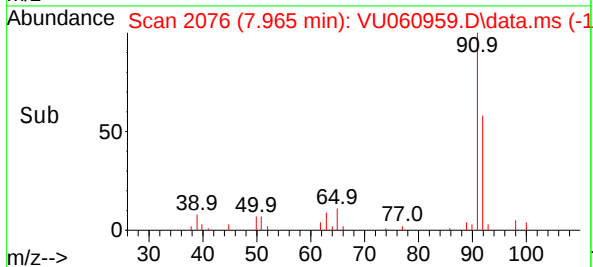
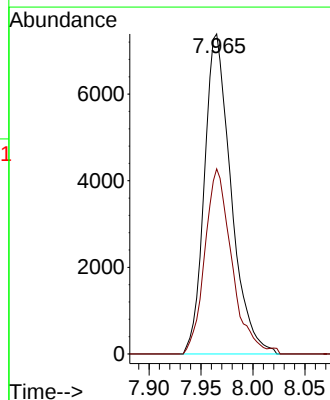
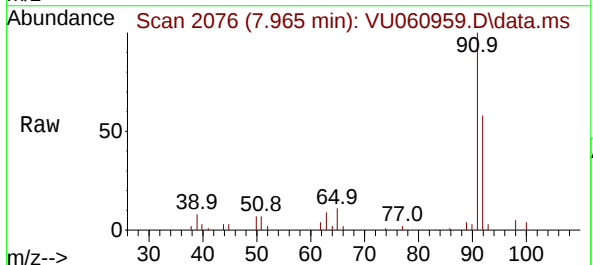
Instrument :
MSVOA_U
ClientSampleId :

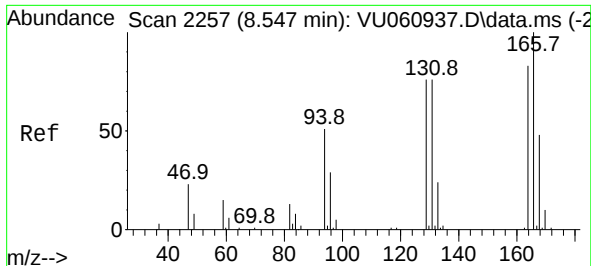
Tgt Ion: 63 Resp: 5697
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#42
Toluene
Concen: 0.338 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU060959.D
Acq: 20 Sep 2024 22:07

Tgt Ion: 91 Resp: 13181
Ion Ratio Lower Upper
91 100
92 57.9 40.5 75.3





#47

Tetrachloroethene

Concen: 8.663 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.003 min

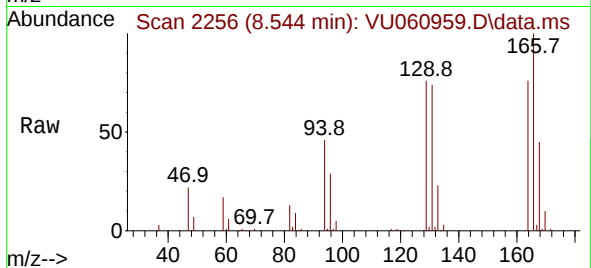
Lab File: VU060959.D

Acq: 20 Sep 2024 22:07

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 67251

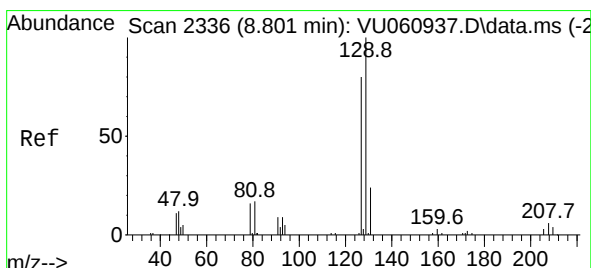
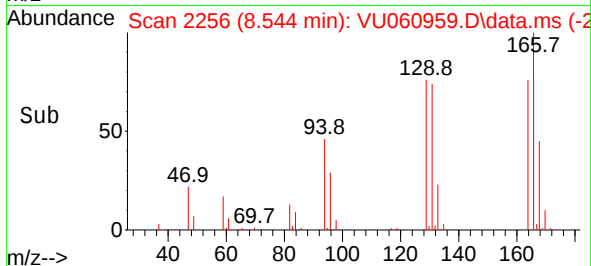
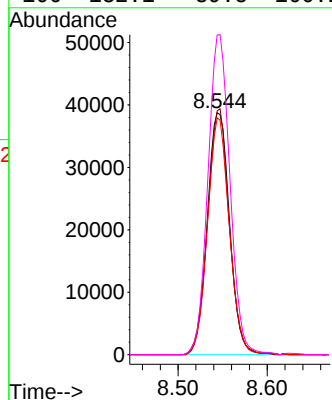
Ion Ratio Lower Upper

164 100

129 100.8 67.3 124.9

131 97.9 65.4 121.4

166 132.1 89.5 166.1



#49

Dibromochloromethane

Concen: 7.907 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.254 min

Lab File: VU060959.D

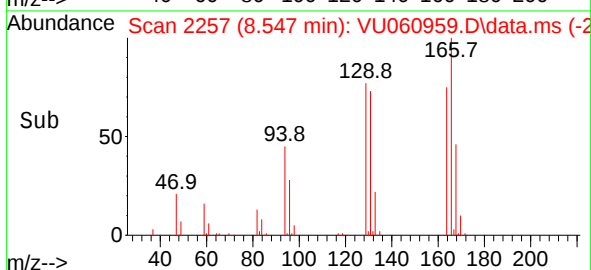
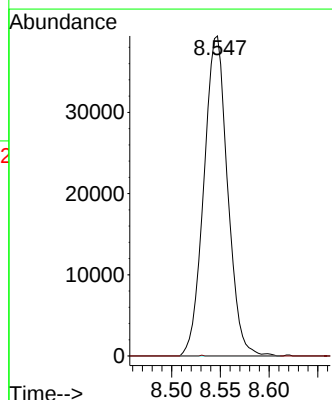
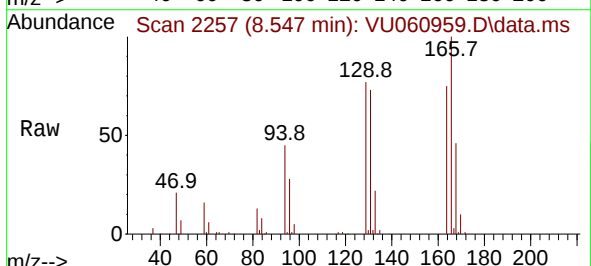
Acq: 20 Sep 2024 22:07

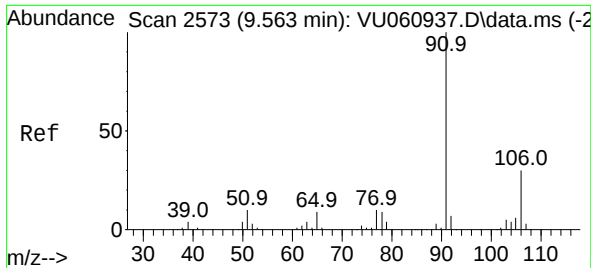
Tgt Ion:129 Resp: 66725

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.1#





#52

Ethylbenzene

Concen: 1.444 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.000 min

Lab File: VU060959.D

Acq: 20 Sep 2024 22:07

Instrument :

MSVOA_U

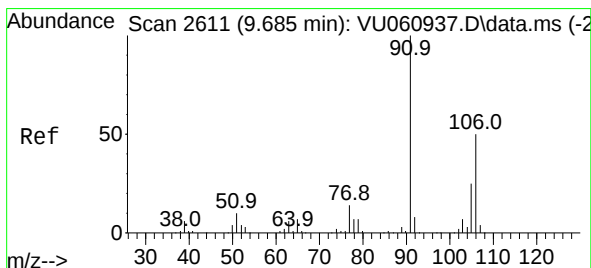
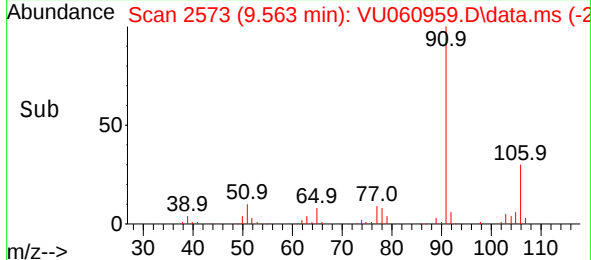
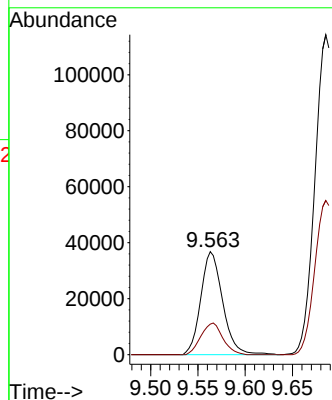
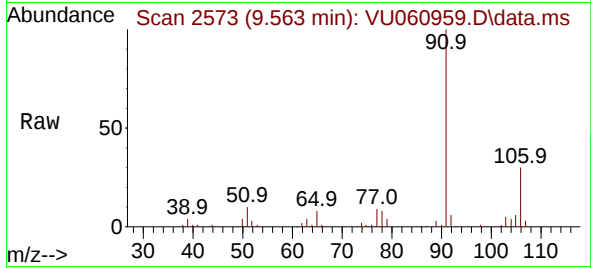
ClientSampleId :

Tgt Ion: 91 Resp: 59235

Ion Ratio Lower Upper

91 100

106 29.7 21.8 40.6



#53

m,p-Xylene

Concen: 6.016 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. -0.000 min

Lab File: VU060959.D

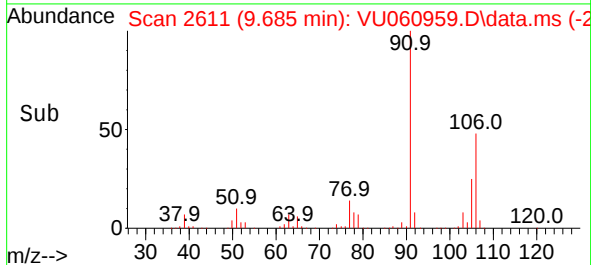
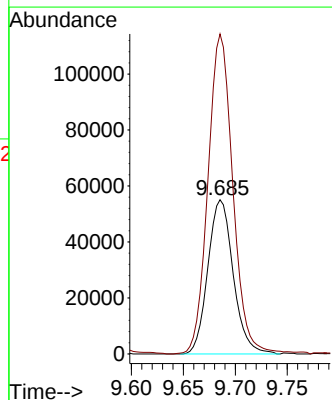
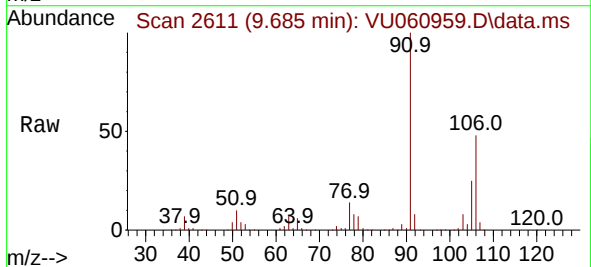
Acq: 20 Sep 2024 22:07

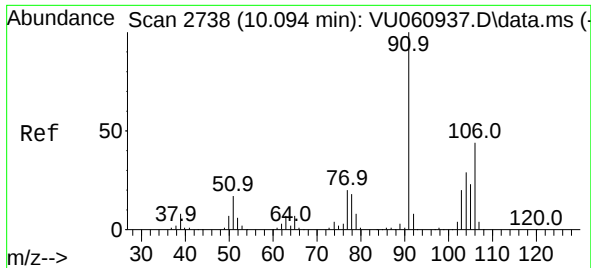
Tgt Ion:106 Resp: 93565

Ion Ratio Lower Upper

106 100

91 207.4 139.7 259.4

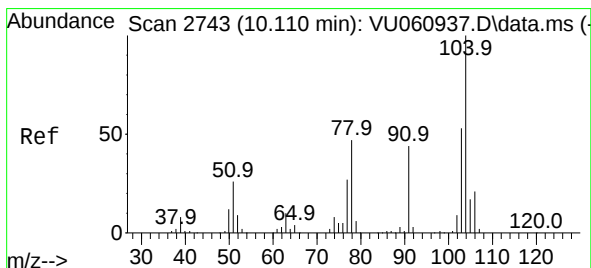
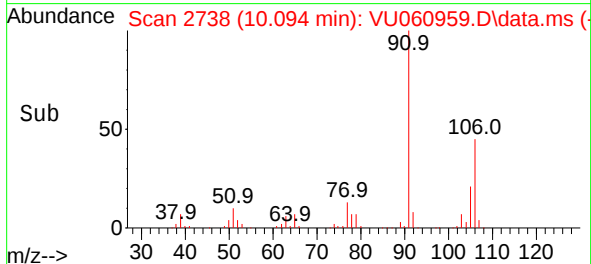
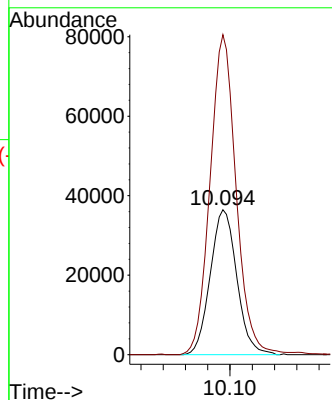
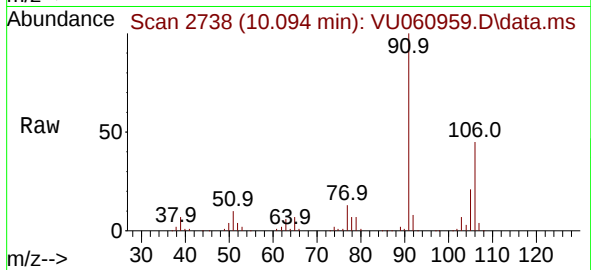




#54
o-Xylene
Concen: 3.930 ug/L
RT: 10.094 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU060959.D
Acq: 20 Sep 2024 22:07

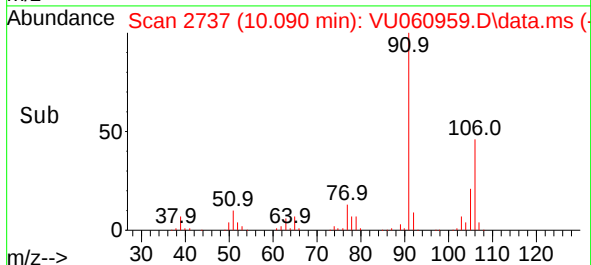
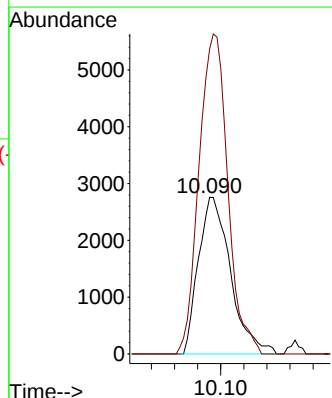
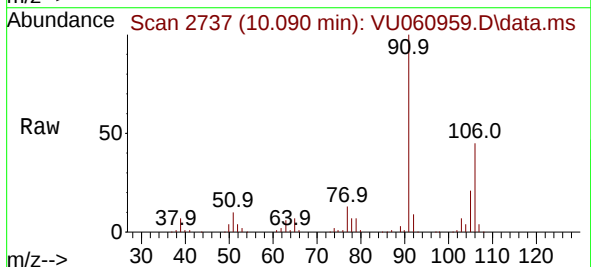
Instrument :
MSVOA_U
ClientSampleId :

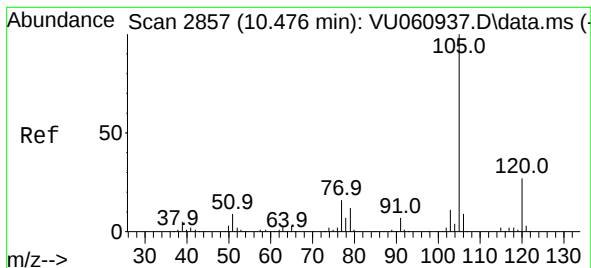
Tgt Ion:106 Resp: 60315
Ion Ratio Lower Upper
106 100
91 220.8 148.6 276.0



#55
Styrene
Concen: 0.206 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. -0.019 min
Lab File: VU060959.D
Acq: 20 Sep 2024 22:07

Tgt Ion:104 Resp: 5329
Ion Ratio Lower Upper
104 100
78 194.8 31.7 58.9#





#60

Isopropylbenzene

Concen: 0.804 ug/L

RT: 11.286 min Scan# 3109

Delta R.T. 0.810 min

Lab File: VU060959.D

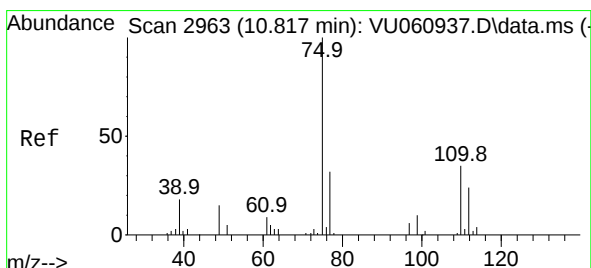
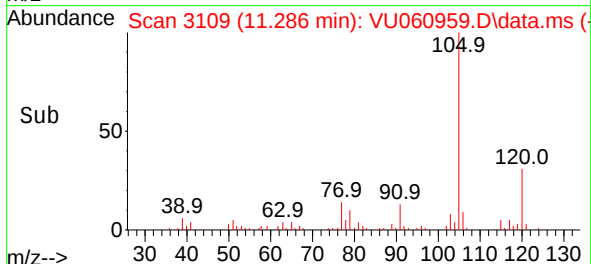
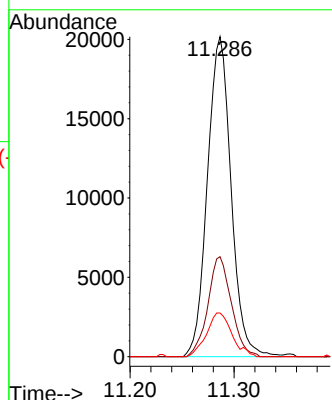
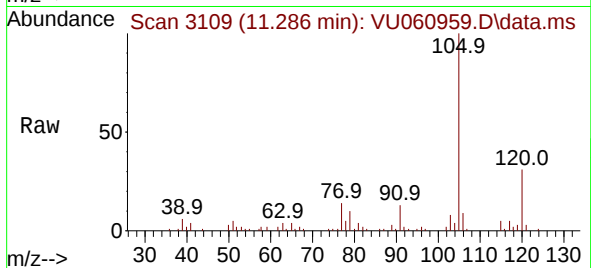
Acq: 20 Sep 2024 22:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:105	Resp:	31904
Ion Ratio	Lower	Upper
105	100	
120	30.9	21.5 32.3
77	14.7	12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 12.590 ug/L

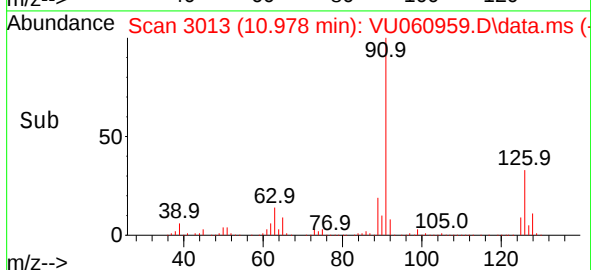
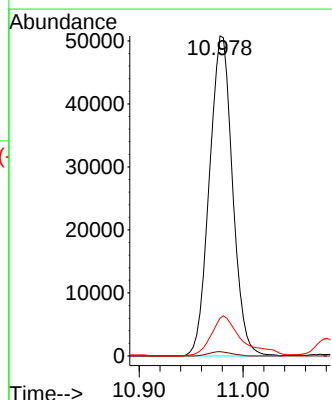
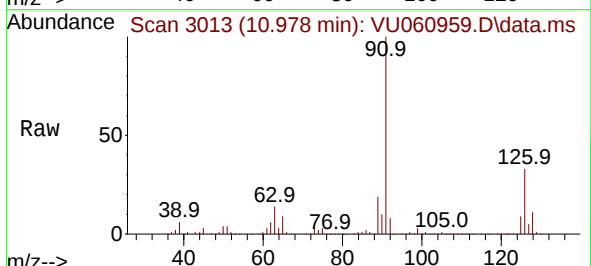
RT: 10.978 min Scan# 3013

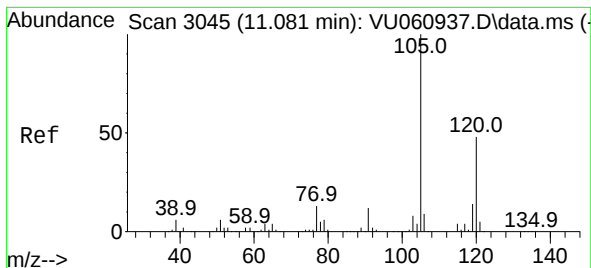
Delta R.T. 0.161 min

Lab File: VU060959.D

Acq: 20 Sep 2024 22:07

Tgt Ion: 75	Resp:	78614
Ion Ratio	Lower	Upper
75	100	
110	1.3	28.6 43.0#
77	16.5	26.3 39.5#





#62

1,3,5-Trimethylbenzene

Concen: 0.929 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU060959.D

Acq: 20 Sep 2024 22:07

Instrument :

MSVOA_U

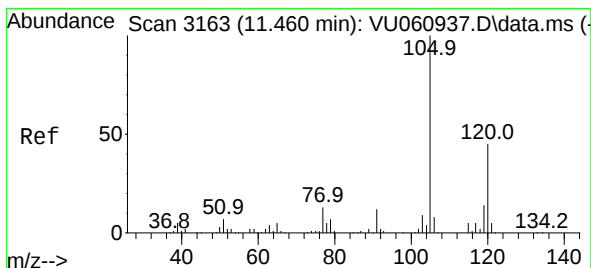
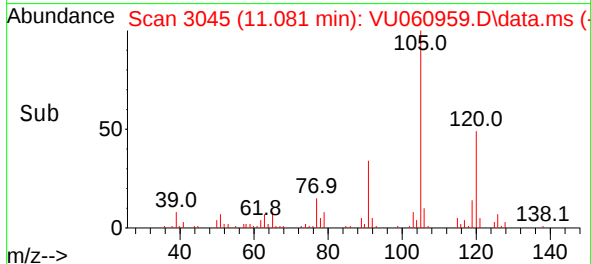
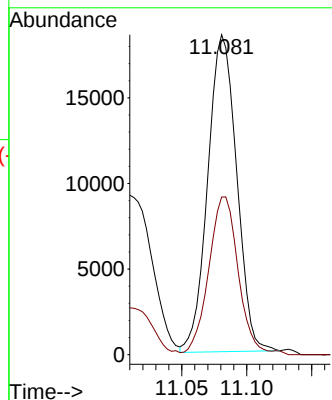
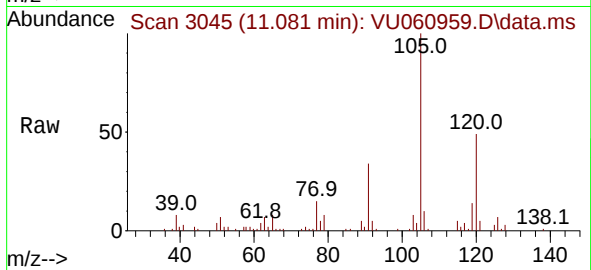
ClientSampleId :

Tgt Ion:105 Resp: 28638

Ion Ratio Lower Upper

105 100

120 51.1 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 2.703 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU060959.D

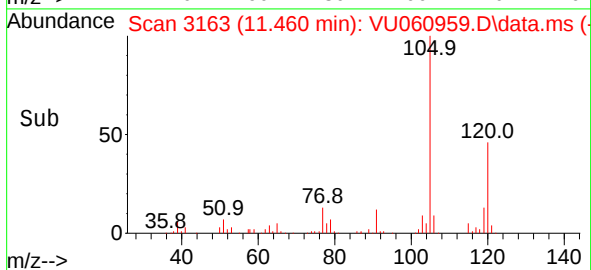
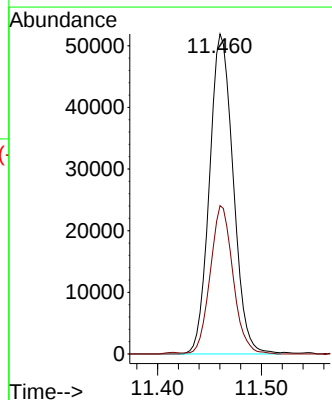
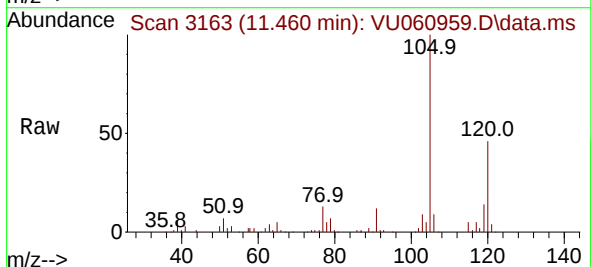
Acq: 20 Sep 2024 22:07

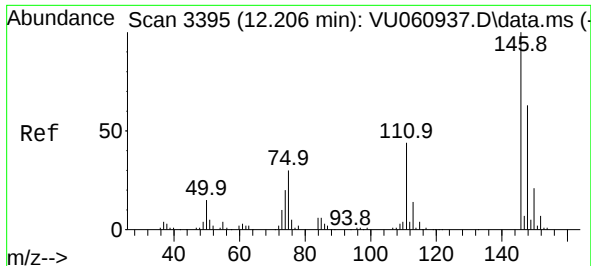
Tgt Ion:105 Resp: 82367

Ion Ratio Lower Upper

105 100

120 44.5 36.1 54.1





#67

1,2-Dichlorobenzene

Concen: 0.505 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

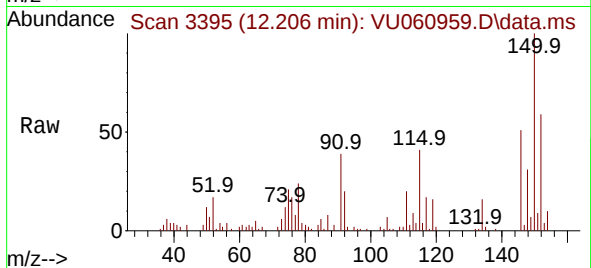
Lab File: VU060959.D

Acq: 20 Sep 2024 22:07

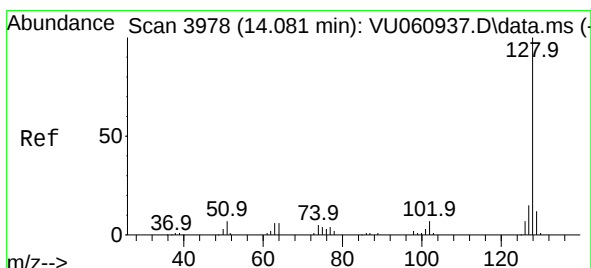
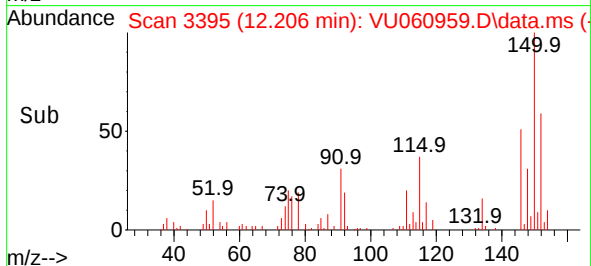
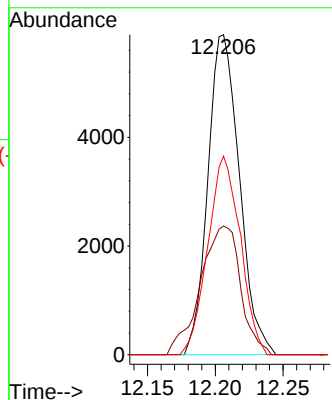
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	146	Resp:	9530
Ion Ratio	Lower	Upper	
146	100		
111	40.2	33.4	50.0
148	62.1	50.9	76.3



#71

Naphthalene

Concen: 0.210 ug/L

RT: 14.100 min Scan# 3984

Delta R.T. 0.019 min

Lab File: VU060959.D

Acq: 20 Sep 2024 22:07

Tgt Ion:	128	Resp:	2913
Ion Ratio	Lower	Upper	
128	100		
129	5.3	8.3	12.5#
127	2.0	10.7	16.1#

